Job Opportunity (9/2004):

My advisor (John Bennett) and I are looking for an ECE student to work on a combined embedded systems/computer vision project. The goal is to determine the location of and retrieve data from a bunch of small devices scattered around. Our idea is to put retroreflectors on the devices and shutter them with an LCD so we can encode information on the reflected light. Then we can set up an illumination source and a digital camera that can spot the devices and recover the data.

We're looking for a new student or team of students to build us a prototype. This could be a senior design project or a masters thesis. Alternately, we could hire someone for pay, as long as he/she is a student.

Interested students should contact Brian Shucker at shucker@cs.colorado.edu.

Job Opportunity (9/2004):

Qualcomm is looking for part-time student interns with embedded systems experience (grads and undergrads).

Interested parties should send PDFs of their resumes to Prof. Vince Heuring (Heuring@Colorado.EDU) and he'll forward them on to Qualcomm.

Job Opportunity (8/2004):

Linden,

I'm currently recruiting for a fortune 100 company, that is in need of strong test engineers. (in the Austin, TX area)

If any of your students are interested, please have them contact me directly. I'd be more that happy to work with them.

Best Regards,

Dan
Daniel DeHaan Lovett
Executive Search
6 North Main St.
Dayton, OH 45402
1-800-893-6690 x 236
937-512-6990 (fax)
ddehaan@lovetts.com

Position Description:

Role: Individual will be responsible for investigating new technologies and creating test cases to provide Server Product Test functional coverage for those technologies. Will interact with developers to identify features and understand functionality of new technologies. Experience with industry standard tools for test case maintenance, issue tracking, test execution. Individual will be work in a strong team environment, and should be comfortable working on shared projects and individual initiatives.

- BSEE / BSCE required. BSEE preferred. MSEE strongly valued.
- 3-7 yrs experience Test Experience in server/storage/or related fields.
- Strong written and verbal English communications skills required.
- Ability to deal with high levels of ambiguity required.
- Strong team orientation required.
Hi Megan,

I'm with a small structural engineering firm in south Boulder who is involved with assembly of data acquisition systems for testing highway bridges. We are looking for some part-time student help with our small electronics assembly operation. Most of the work will consist of soldering, assembling cable harnesses and connectors, and final testing of the data acquisition systems that we build. Therefore, we'd like someone with "hands-on" experience in this type of work. There really won't be much in the way of circuit design on these particular systems, however, through de-bugging and training with our consulting electrical engineers, there should be some good hardware development experience. The hours would be flexible as we have hired many students in the past and understand the schedule pressures they have.

If you could pass this message on to some of the professors there who might know of people with some lab experience and ask them to contact me, I'd appreciate it.

Any interested parties can take a look at our website to see what we do:
www.bridgetest.com

Thanks for your help!

Jeff Schulz
Bridge Diagnostics, Inc.
303 494 3230
Hi,

Maxtor Corp., Longmont is looking for entry level as well as senior level firmware engineers for full time positions. If anyone of you with good background in Embedded Systems is interested, please forward me your resume at vishal_bhatia@maxtor.com.

Please mention - which Position Number you are interested in. I would be forwarding your resume to the concerned department.

Please don’t send me follow up emails to inquire about the status. You would be contacted directly in few weeks if we are interested.

Please put subject of your email as – “Resume for Position Number 80031570” for example.

Regards,
Vishal Bhatia
Firmware Engineer,
Maxtor Corp.,
Longmont (CO).

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<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>Need knowledge of and be responsible for the analysis, design, programming, debugging and modification of disk drive firmware. You will be trouble shooting firmware on disk drives involving analog and digital hardware and software operating systems. This position will work to solve extremely complex problems where analysis of situations or data requires intangible variance factors. Exercise independent judgment in developing methods, techniques, and evaluation criterion for obtaining results. Provide leadership by assigning work and resolving problems. Work closely and interact with Program directors and product development leads.</td>
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<tr>
<th>Required Skills</th>
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<tbody>
<tr>
<td>BS with 10+ years disk drive firmware development experience, MS with 8+ years disk drive firmware development experience, PHD with 7+ years disk drive firmware development experience or equivalent experience in programming computer applications and/or embedded systems design and expert knowledge of software documentation, software and hardware capabilities, utilities, assembly language and high level languages i.e., C, C++.</td>
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<table>
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<th>Description</th>
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<tbody>
<tr>
<td>Working with Read/Write Engineering team for Low Level Read/Write FW development. Jobs include: Working with R/W, Channel team in architecting, designing and implementing next generation error recovery for Audio/Video, streaming and Digital Entertainment applications. Providing technical guidance to the team Interfacing with other engineering functional groups (i.e. ASIC. {PCB, Servo, etc.) Assisting marketing on alal customers/vendors/integrators issues.</td>
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</table>
BS/MS with 15+ years overall experience in storage industry.
Solid knowledge and experience in disk drive read/write operation, channel design and system level recovery.
Well rounded and strong technical skill in trouble shooting and customer issues.
Good oral and written communication skills. Knowledge in PATA and SATA is a good plus.

### General Information

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<th>Position Number:</th>
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<td>Function:</td>
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<tr>
<td>Business Unit:</td>
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<tr>
<td>Location:</td>
<td>Longmont, CO</td>
</tr>
<tr>
<td>Title:</td>
<td>Sr. Staff Firmware Engineer</td>
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</table>

### Description

Working with Channel Design and Read/Write engineering team for Low Level Read/Write FW development. Jobs include:
- Working with R/W Channel team in architecting, designing and implementing next generation Channel.
- Be the focus point for Channel Bring up and evaluation
- Providing technical guidance to the team
- Interfacing with other engineering functional groups (i.e. ASIC, PCB, Servo, etc.)

### Required Skills

BS/MS with 15+ years overall experience in storage industry.
Solid knowledge and experience in disk drive read/write operation, channel design and system level recovery.
Well rounded and strong technical skill in trouble shooting and customer issues.
Good oral and written communication skills. Knowledge in PATA and SATA is a good plus.

### General Information

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<td>Title:</td>
<td>Sr. Staff Firmware Engineer</td>
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</table>

### Description

Working with ASIC, R/W, PCB teams in architecting, defining and implementing fault injection, debug-ability and error logging for next generation FW.
- Interfacing with other engineering functional groups (i.e., ASIC, PCB, Servo, etc.)
- Assisting marketing on all customers/vendors/integrators issues.

### Required Skills

BS/MS with 15+ years overall experience in storage industry.
Solid knowledge and experience in disk drive read/write operation, channel design and system level recovery.
Well rounded and strong technical skill in trouble shooting and customer issues.
Good oral and written communication skills. Knowledge in PATA and SATA is a good plus.

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<td>Location:</td>
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<td>Title:</td>
<td>Firmware Engineer 1</td>
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### Description

Major: Design, implement and maintain embedded C code for Channel Optimization.
Minor: Design, implement and maintain Visual C++ code.
Provide firmware support for product development and manufacturing test process development.

### Required Skills

Bachelor (EE or CS), Operational with C/C++ language.
General Information
Position Number: 80032220
Function: Engineering
Business Unit: Advanced Technology
Location: Longmont, CO
Title: Principle Engineer

Description
Provide a multi-site corporate resource on EMI to address product design approaches for EMI reduction, support critical FA activity, and provide engineering training in design methods to reduce EMI. Must have experience in solving PCBA and product level EMI issues. Will need to provide low cost solutions for passing EMI requirements on unshielded products / PCB operating over 1 GHz in frequency.

Required Skills
BSEE, MS or PhD preferred and at least 15 years related experience. Should be familiar with RF EMI testing methods including near field scanning, chamber measurements, GTEM cell use. Experience should include High Frequency PCBA design support. Expected to have understanding of EMI 3D modeling methods and experience with industry software packages for EMI analysis.

General Information
Position Number: 80032227
Function: Engineering
Business Unit: Desktop Products Group
Location: Longmont, CO
Title: Firmware Engineer I

Description
Jobs include:
• Working with ASIC, R/W, PCB teams in architecting, defining, and implementing fault injection debug-ability, and error logging for next generation FW.
• Assisting Marketing on all customers/vendors/integrators issues.

Required Skills
BS with two plus years overall experience in storage industry or MS/PG|HD new graduate. Good oral and written communication skills. Knowledge in PATA and SATA is a good plus.

General Information
Position Number: 80032228
Function: Engineering
Business Unit: Desktop Products Group
Location: Longmont, CO
Title: Staff Firmware Engineer

Description
Working with ASIC interface team for SATA FW development. Jobs include:
Working with ASIC team in architecting, designing and ASIC bring up.
Providing technical guidance to the team.
Interfacing with other engineering functional groups (i.e. ASIC, PCB, Servo, etc.)
Assisting marketing on all customers/vendors/integrators issues.

Required Skills
BS/MS with 15+ years overall experience in storage industry.
Solid knowledge and experience in micro-processors, system, memory accessing and must know ASIC simulation.
Well rounded and strong technical skill in trouble shooting and customer issues.
good oral and written communication skills. Knowledge in PATA and SATA is a good plus.
**General Information**

Position Number: 80032229  
Function: Engineering  
Business Unit: Desktop Products Group  
Location: Longmont, CO  
Title: Staff Firmware Engineer

**Description**

Working with ASIC interface team for SATA FW development. Jobs include:
- Working with ASIC team in architecting, designing and simulation (interface, memory).
- Providing technical guidance to the team
- Interfacing with other Engineering functional groups (i.e. ASIC, PCB, Servo, etc.)
- Assisting Marketing on all customers/vendors/integrators issues.

**Required Skills**

BS/MS with 15 plus years overall experience in storage industry.  
Solid knowledge and experience in micro-processors, system, memory accessing and must know ASIC simulation.  
Well rounded and strong technical skill in trouble shooting and customer issues.  
Good oral and written communication skills. Knowledge in PATA and SATA is a good plus.

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**General Information**

Position Number: 80032230  
Function: Engineering  
Business Unit: Desktop Products Group  
Location: Longmont, CO  
Title: Sr. Firmware Engineer

**Description**

Jobs include:  
Working with ASIC, R/W, Opti teams in architecting, defining and implementing next generation Defect Management FW.  
Interfacing with other engineering functional groups (i.e. Read/write, Channel, Opti, Test, etc.) assisting marketing on all customers/vendors/integrators issues.

**Required Skills**

BS/MS with 15+ years overall experience in storage industry.  
Solid knowledge and experience in disk drive read/write operations, ASIC/Channel interfaces, and system level recovery.  
Well rounded and strong technical skill in trouble shooting and customer issues.  
Good oral and written communication skills.

---

**General Information**

Position Number: 80032231  
Function: Engineering  
Business Unit: Desktop Products Group  
Location: Longmont, CO  
Title: Sr. Firmware Engineer

**Description**

- Working with ASIC, R/W, PCB teams in architecting, defining and implementing fault injection, debug-ability and error logging for next generation FW.  
- Interfacing with other Engineering functional groups (i.e. ASIC, PCB, Servo, etc.)  
- Assisting Marketing on all customers/vendors/integrators issues.

**Required Skills**

BS/MS with eight plus years overall experience in storage industry.  
Solid knowledge and experience in PATA/SATA interfaces, memory accessing and system level recovery.  
Well rounded and strong technical skill in trouble shooting and customer issues.  
Good oral and written communication skills. Knowledge in PATA and SATA is a good plus.
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**Description**
Design, implementation and support of HDD self-test firmware using C and assembly languages. Provide firmware support for product development and manufacturing test process development. Work closely with other functional groups including RW and TPE, as well as program development teams. Work with perpendicular recording.

**Required Skills**
BSEE/CS. MS degree preferred. Knowledge of HDD firmware and HDD self test concepts. Experience with embedded programming and firmware debugging tools including logic analyzers and emulators. Independent and analytical problem solver and good team player. is a plus.

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**Description**
Design, implementation and support of HDD self-test firmware using C and assembly languages. Provide firmware support for product development and manufacturing test process development. Work closely with other functional groups including RW and TPE as well as program development teams.

**Required Skills**
BSEE/CS, MS degree preferred. Knowledge of HDD firmware and HDD self test concepts. Experience with embedded program and firmware debugging tools including logic analyzers and emulators. Independent and analytical problem solver and good team player.

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**Description**
Working with ASIC interface team for SATA FW development. Jobs include:
- Working with ASIC team in architecting, and designing next generation FW.
- Providing technical guidance to the team.
- Interfacing with other engineering functional groups (i.e. ASIC, PCB, Servo, etc.)
- Assisting marketing on all customers/vendors/integrators issues.

**Required Skills**
BS/MS with 15+ years overall experience in storage industry.
- Solid knowledge and experience in micro-processors, PATA/SATA interface and system performance enhancement.
- Well rounded and strong technical skill in trouble shooting and customer issues.
- Good oral and written communication skills.
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**Description**

Major: Design, implement and maintain embedded C code for Channel Optimization.
Minor: Design, implement and maintain Visual C++ code.
Provide firmware support for product development and manufacturing test process development.

**Required Skills**

Bachelor (EE or CS); Operational with C/C++ language.
Experience with embedded programming and firmware debugging tools including logic analyzers and emulators.

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<td><strong>Location:</strong></td>
<td>Longmont, CO</td>
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<tr>
<td><strong>Title:</strong></td>
<td>Staff Electrical Engineer</td>
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**Description**

Responsibilities:

Electrical design, layout, characterization, failure analysis of all aspects of pcba electronics and their interfaces.

**Required Skills**

Position Requirements:
BSEE and a minimum of eight years experience in high speed electrical design, layout, failure analysis and qualification testing. Attention to detail is a must. Must have experience with the following: emi power related issues, high speed (test equipment such as spectrum/network analyzers, digital o'scopes etc.). Skilled working with fine pitch IC’s...e.g. do your own breadboarding/network as required. Required: Ability to perform lab failure analysis to component level; exceptional skills in hands-on electrical characterization of all aspects of electrical design. A combination of education and experience will be considered.

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<tr>
<td><strong>Title:</strong></td>
<td>Sr. Staff Engineer</td>
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**Description**

Responsibilities:

Electrical design, layout, characterization, failure analysis of all aspects of pcba electronics and their interfaces.

**Required Skills**

Position Requirements:
BSEE and a minimum of twelve years experience in high speed electrical design, layout, failure analysis and qualification testing. Attention to detail is a must. Must have experience with the following: emi power related issues, high speed (test equipment such as spectrum/network analyzers, digital o'scopes etc.). Skilled working with fine pitch IC’s...e.g. do your own breadboarding/network as required. Required: Ability to perform lab failure analysis to component level; exceptional skills in hands-on electrical characterization of all aspects of electrical design. A combination of education and experience will be considered.