
SEAN MOONEY

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OBJECTIVE

A software engineering or computer science internship.

EDUCATION

Current: **Iowa State University** **Ames, IA**
Working towards a Ph.D. in Computer Science

May 2008 **Clarke College** **Dubuque, IA**
Bachelor of Science Degree in *Computer Science* and *Mathematics*

GPA: 3.9 on 4.0 scale. Magna cum laude

Selected Coursework:

Digital Logic, Software Engineering I (Java) Software Engineering II (PHP, MySQL), Artificial Intelligence, Data Communication, Computer Architecture, Computer Organization, Database Systems (SQL, PostgreSQL), Systems Development

SKILLS

Operating Systems: Windows, Linux, Mac OS X

Programs: Microsoft Word, Excel, Front Page, PowerPoint; Adobe Photoshop; Macromedia Flash; Metamill UML modeler; Audacity(Audio Editor); Open Office, PostgreSQL,

Languages: Java, C++, C#, Visual Basic.NET, SQL, Python

IDE's: Eclipse, Netbeans, Dev-C++, .NET 2005, KDevelop

CLASS PROJECTS

Software Engineering I: Created basic audio editor. Program allows user to import a .wav file, mark sections that should be written to disk as individual files and play back file.

Software Engineering II: Built web-based, database driven application to handle hospital functions. Application allows doctors and nurses to enter and retrieve data about patients and allows patients to view medical history or pay invoices from hospital.

Database Systems: Designed and implemented PostgreSQL driven Java application for high school gradebook and attendance management.

Systems Development: Designed and implemented DotNetNuke application for management of fictional video rental store.

WORK EXPERIENCE

2007 to 2008 **John Deere/Volt** **Dubuque, IA**
Programming Intern

- Supported NVH(Noise, Vibration, Harshness) group with utilities to automate NVH engineering activities
- Designed/Implemented a whole body vibration calculator application for release to dealers
- Supported Virtual Reality group with utilities to automate the set-up and configuration of virtual reality machine reviews
- Created a realistic sound and transmission model for a motor grader simulation

2005 to present **Clarke College** **Dubuque, IA**
Lab Attendant, Keller Computer Center

- Assist students and faculty with computer related questions

2005 to 2006 **Clarke College Computer Dept.** **Dubuque, IA**
System Administrator, Computer Science Laboratory

- Installed and updated hardware and software
- Troubleshoot/replaced hardware
- Created and maintained user accounts