

LUKE HOERSTEN

mail: Luke@Hoersten.org • net: Luke.Hoersten.org • cell: 1(440)364.2199

Employment

- **Allston Trading** **Chicago, Illinois**
Software Engineer
Algorithmic securities trading in **C++** and **Java**.
summer '08 to present
- **Dell** **Austin, Texas**
Operating Systems Engineering Internship
Wrote Linux and Windows deployment software in **Python**. Developed open source Linux media re-master tool in **Bash**. Presented marketing and engineering ideas to managers.
summer '07
- **Google / Creative Commons** summer '06
"Summer of Code" Programmer
Implemented Creative Commons license verification plugin for Banshee media player in **C#** and **.NET**. Developed license verification library and API in **C#**. Proposed and completed the three month, independently managed and designed project..Learned a large, preexisting, open source code base.
- **Geauga County Auditors Office** **Chardon, Ohio**
Programming Internship
Developed cross-department employee database front end in **PHP**, **XHTML Strict** and **Javascript**. Launched optimization of parcel audit process and started development of auditing suite.
summer '04
- **Purdue University** **West Lafayette, Indiana**
Teaching Assistant, CS 159
Taught **C** and **Matlab** programming lab of 27 engineering students.
spring '07
- **Teaching Assistant, CS 180** fall '07
Taught **Java** programming lab of 27 computer science students.

Education & Research

- **Purdue University** spring '08
Bachelor of Science in Computer Science
- **Purdue University** fall '07 to present
Programming Language Research with Prof. Jan Vitek

Professional Organizations

- **Linux on iPod** '04 to '06
Documentation and Web Developer
Built open source web community using **PHP** and **SQL**. Organized documentation project with over 3000 articles. Grew project from 10 members to over **30,000 members**.
- **Purdue University Organizations** fall '05 to spring '08
PLUG President (Purdue Linux Users Group)
ACM Secretary (Association for Computing Machinery) spring '07 to spring '08
SIGOS Secretary (ACM Special Interest Group OpenSolaris) spring '07 to spring '08

Travel

- **Study Abroad** **Russia**
Traveled for three weeks in Moscow, St. Petersburg, and Novgorod.
summer '06
- **Other**
Visited 15 countries and territories: the United States, Canada, Italy, Vatican City, Japan, Guam, Australia, Brazil, Ecuador, France, Sweden, Russia, Denmark, Argentina, and Uruguay.

Computer Skills

Languages & Frameworks: C, C++, C#, Java, Erlang, PowerPC Assembly, Python, Bash, PHP, Javascript, CSS, XML, HTML, SQL, Django

Operating Systems: UNIX (**Linux**, Mac OS X, Solaris), Windows XP/Vista.