

Luke Hoersten

mail: Luke@Hoersten.org • web: Luke.Hoersten.org • cell: 1(267)702.LUKE(5853)

Employment

Allston Trading

Chicago, Illinois

Head of Infrastructure Development

Manage development team with focus on large-scale financial algorithmic trading platforms.

May '09 to present

Computational Finance Software Developer

Develop large-scale financial algorithmic trading platform in **C++**, **Java**, **Python**, and **Erlang** with heavy use of **networking** and **parallelism**.

June '08 to May '09

Dell

Austin, Texas

Operating Systems Software Development Intern

Wrote Linux and Windows deployment software in **Python** and worked to span marketing and engineering ideas.

summer '07

Google / Creative Commons

Summer of Code Software Developer

Implemented Creative Commons license verification plugin and libraries for Banshee media player in **C#** and **.NET** utilizing **networking** and **RDF**.

summer '06

Auditors Office - GIS

Chardon, Ohio

Software Developer Intern

Developed cross-department employee **MySQL** database web application in **PHP**, **XHTML Strict** and **Javascript**.

summer '04

Purdue University

West Lafayette, Indiana

Teaching Assistant, Engineering C

Taught **C** and **Matlab** programming lab of 27 engineering students.

spring '07

Teaching Assistant, OOP and Java

Taught **Java** programming lab of 27 computer science students.

fall '07, spring '08

Education & Research

Purdue University

Undergraduate Research

Worked on design and implementation of gradually typed language in conjunction with Prof. Jan Vitek and IBM Watson Research Center.

fall '07 to spring '08

Undergraduate in Computer Science

May '08

Professional Organizations

Linux on iPod

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**.

'04 to '06

Purdue University Organizations

PLUG President (Purdue Linux Users Group)

fall '05 to spring '08

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

Spend a month in Moscow, St. Petersburg, and Novgorod taking classes in Russian economics and business.

Russia

summer '06

Personal Travel

Visited over 15 countries and territories including Italy, Japan, Guam, Australia, Brazil, Ecuador, France, Sweden, Russia, Denmark, Argentina, and Uruguay.

Technologies

C, **C++** (Boost), **C#**, **Java**, **Haskell**, **Erlang**, Lisp, PPC Assembly, **Python**, Bash, **PHP**, **Javascript**, **CSS**, **HTML**, **MySQL**, **Django**