
SUMMARY

College Undergraduate with computer science research experience looking for a full time position in 2015.

SKILLS

Languages:

- *Adept:* Java, Python, C#, Relational Algebra
- *Proficient:* C++, C, SQL, Relational Calculus, Unix Shell, Action Script

Other:

- *Practices:* Git version control, SCRUM, Team Development, Unit Testing, Agile
- *Partner Programming:* Working in a pair, generally using a driver-navigator relationship
- *Communication:* Extensive experience working with others on software development; including in teams, in pairs, and under an adviser

EXPERIENCES

University Research

April 2013-August 2013

Tohoku University

- Prototyped interface for 23andme API
- Generated and manipulated several genetics databases
- Created basic web app to allow users to get basic statistical information on their genetic data

Coursework

August 2010-December 2014

University of California Santa Cruz

- **Databases 1:** Relational logic; database design, theory, and analysis; Relational Algebra, Relational Calculus, SQL, Datalog.
- **Databases 2:** Database manager theory, design, and optimization; spatial database design; query optimization and logic flow.
- **Machine Learning:** Heavy theory and mathematical analysis of various machine learning techniques and their performance/practicality.
- **Game AI:** Various AI techniques and algorithms as they are applied to games; including quarter long AI project.
- **Algorithms:** Analysis, development, and mathematical proofs of various algorithms and algorithmic techniques.
- **Software Methodology:** Learned team based software development practices and used them to produce a project. My project was a mesh network chat service for android.

Other

- Global Game Jam (4 years in a row): Video game hack-a-thon; get into development teams with strangers at site, then design and develop a video game based on the theme in under 48 hours.
- Video Game Projects: Have worked on / currently working on several game projects for fun
- Bioinformatics: Have developed and programmed several biology tools

Education

UC Santa Cruz

August 2010-December 2014

- Computer Science, BA
- Molecular, Cellular, and Developmental Biology, BS