CS Student5

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EDUCATION

B.S. in Computer Science
Boise State University
Boise, ID
May 2019
Minor in Applied Mathematics
Dean's List (All Semesters)
Cum. GPA: 3.72

SKILLS

</> Experience with:
Java • C • C++ • Git
Test driven development

</> Working knowledge:
Python • MySql • Go • C#
PHP • JavaScript • HTML
CSS • JQuery • TestNG
Google Test • LaTeX• MATLAB
Agile/Scrum methodologies

COURSEWORK

Undergraduate
- VIP (in progress)
- Operating Systems (in progress)
- Computational Math (in progress)
- Distributed Computing
- Databases
- Intro. to Web Development
- Intro. to Systems Programming
- Foundations of Data Science

INTERESTS/ ACTIVITIES

</> Hour of code volunteer
Tech blogger - Attended reviewer workshops, product launches, tech meet-ups and wrote articles for: myportableworld.com
Traveler - I enjoy experiencing new cultures and environments

EXPERIENCE

Research Assistant | ADaPT lab, Boise State University
May 2017 – Ongoing | Boise, ID
Member of Dr. Catherine Olschanowsky's Application Dataflow optimization with Programming languages and Transformations(ADaPT) research lab.

- Lead developer working on a geosciences project with doctoral student Nayani Ilangakoon and Dr. Nancy Glenn developing Full Waveform LiDAR tools
- Tools: C++, GoogleTest, GDAL, GSL, R2 compute cluster
- Cut down compile time from 2 days(Matlab) to about 26 minutes(C++)

Student IT Assistant | OIT, Boise State University
Aug 2016 – Aug 2017 | Boise, ID
Worked as a technical support specialist assisting faculty and students with technological issues

Lead – Product Development | Notion Ink Design Labs
Mar 2011 - Dec 2014 | Bangalore, KA, India
Various multi-functional roles requiring cross-domain expertise at an Indian consumer electronics start up specializing in design and development of tablet PCs

- Managed functional and design features of mobile and web products, built product road-maps and assisted in formulating product strategies
- Liaison between management and dev units & SPOC for 3rd party partnerships
- Conducted User Research in form of Surveys, Usability Testing, Contextual Inquiry and followed a UCD process as part of efforts to build a content driven OS concept on Android.

SELECT CURRICULAR PROJECTS

Parallel Agent-Based Models for molecules | VIP
Fall 18 | Tools: C, FLAMEGPU, R2 compute cluster
Mentors: Dr. Eric Jankowski and Dr. Catherine Olschanowsky

- Part of an interdisciplinary research team working on implementing an agent-based model of switchable particle self-assembly in FLAMEGPU.

Distributed Identity Server | Distributed Computing
Spring 2018 | Tools: Java, Apache Common CLI parser, RMI, Sockets
Semester long project involving developing a distributed RMI based Identity server.

- One-shot client-server model
- Coordination was implemented using the Bully election algorithm
- Causal consistency model using vector clocks for synchronization

Command-line to-do list manager | Databases
Spring 2018 | Tools: Java, Cliche shell library, MySQL, Maven
Created a command-line application(similar to TaskWarrior) that allows users to track and manage their to-do list.

- Cliche shell library was used to create the interactive command-line user interface.
- Users were able to create, view, update and remove tasks.
- Each task could have multiple tags.