

Alaina Finley

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EDUCATION- B.S. COMPUTER SCIENCE

Westminster College

1840 S 1300 E, Salt Lake City, UT 84105

Expected Graduation- May 2019

EXPERIENCE

Software Engineering Intern-Research Park, Salt Lake City, Utah May 2018-August 2018

Blackrock Microsystems (Global NeuroTechnology Leader)

- Worked on an Agile-Test driven team to update and debug Central, the user interface for the Cerebus Neural Signal Processor- a system that enables researchers to process and analyze physiological signals
- Utilized company developed test protocols to properly debug and correct any software errors
- Technologies Used- C++, Microsoft Visual Studios 2008, MFC framework, Jira, RTC

Software Engineering Intern-Hood River, Oregon

May 2017-August 2017

UTC Aerospace Systems (Global Aerospace Engineering Leader)

- Worked on team to update and optimize Piccolo Command Center, the user interface for the Piccolo Autopilot-a powerful flight planning and management software solution
- Researched updated requirements for various WebMapServers (WMS) and updated PCC to be compatible with said servers
- Implemented code to work dynamically with XML files and researched ReSTful Interface
- Technologies Used- C++, Microsoft VisualStudios, TortoiseSVN, Qt

Student Brand Manager-University of Utah

July 2015-May 2017

Red Bull

- Integrate Red Bull brand in collegiate student life through self-created marketing plans through usage of expert market knowledge and networking with community/campus influencers

Software Engineering Intern-New York City, New York

June 2016-August 2016

Push the World LLC (NeuroTechnology Start-Up)

- Worked on team in start up environment to create Thinker, a set of neurological experiments to train user's brain to create a motor imagery response embedded in a consumer application
- Mocked up/wrote specifications for Thinker's UI and led team to implement successful creation of the UI/iteratively improve through customer feedback
- Review/analyze research papers to implement leading technology and paradigms into Thinker
- Technologies Used- JavaScript, Git, Webstorm IDE, Node.js, Phaser 2D graphics engine

PROJECTS

Senior Project

August 2018-May 2019

- Implantable medical device alarm system used to sense and notify users of potential RF threat through an iOS application
- Technologies Used- Swift, C, Arduino, RedPark SDK, SmartRF Studio, XCode

Software Engineering Semester Project

January 2018-May 2018

- Worked on Agile team to develop web based application to teach elementary student math concepts
- Technologies Used- Postgres, Hibernate, Spring, AngularJS, AWS, Slack, Trello, Git, Visual Studio Code

Database Systems-End of Semester Project

August 2017-December 2017

- Worked on team to develop web based application to allow users to interact with a gaming review database
- Technologies Used- MySQL, HTML/CSS, PHP, Apache, Google Cloud, MAMP

SKILLS

- Computer Programming (Not listed- Java, Python, UNIX/Linux)
- Teamwork and Collaboration
- Technical Presentation and Communication
- Customer Relations and Communication
- Leadership

REFERENCES

Hyrum Sessions- Blackrock Microsystems

Senior Software Engineer-Manager
801-582-5533

Kevin VanAllen Hunt- UTC Aerospace Systems

Piccolo Program Manager
541-308-1076

AJ Keller- Push the World LLC

Founder/CEO
203-733-4538

Karli Hanks- Red Bull

Field Marketing Specialist
801-712-7739