

# Alaina Finley

801.503.8700

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## EDUCATION- COMPUTER SCIENCE MAJOR

### Westminster College

Expected Graduation- May 2019

1840 S 1300 E, Salt Lake City, UT 84105

#### Computer Science Related Courses Completed:

- Computer Systems & Programming
  - Database Systems
  - Software Engineering
  - Computer Networking
  - Operating Systems
  - Computer Security
  - Discrete Mathematics
  - Advanced Algorithms & Data Structures
- Westminster College Ski and Snowboard Club Board Member

August 2017-Present

### University of Utah

August 2014-May 2017

201 Presidents Cir, Salt Lake City, Utah 84112

801.581.7200

#### Computer Science Related Courses Completed:

- Calculus I/Calculus II
  - Introduction to CS
  - Object Oriented Programming
  - Introduction to Algorithms & Data Structures
- University of Utah Swim and Dive team member
- OneLove Ski and Snowboard Club member

August 2014-May 2015

August 2014-May 2017

## EXPERIENCE

### Software Engineering Intern-Research Park, Salt Lake City, Utah

May 2018-August 2018

#### Blackrock Microsystems (Global NeuroTechnology Leader)

- Worked on team to update and debug Central, the user interface for the Cerebus Neural Signal Processor- a system that enables researchers to capture, process and analyze physiological signals
- Programmed utilizing C++, Microsoft VisualStudios 2008 IDE, MFC framework
- Worked in an Agile-Test Driven Environment
- Used Jira and Rational Team Concert (RTC) for software team collaboration
- Utilized company developed test protocols in order to properly debug and correct any software errors

### 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
- Programmed utilizing C++, Microsoft VisualStudios IDE, TortiseSVN, Qt framework
- Researched and implemented ReSTful interface
- Implemented code to work dynamically with XML files
- Researched updated requirements for various WebMapServers (WMS) and updated PCC to be compatible with said servers

### 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
- Expert in market at/near University of Utah and Red Bull brand/product knowledge
- Knowing/Networking with key people in community/on campus

### Software Engineering Intern-New York City, New York

June 2016-August 2016

#### Push the World LLC (NeuroTechnology Start-Up)

- Worked on team to create Thinker, a set of neurological experiments to train user's brain to create a motor imagery response embedded in a consumer application
- Designed, mocked up, wrote specifications for Thinker's User Interface
- Programmed utilizing JavaScript, Git, Webstorm IDE, Node.js framework, Phaser 2D graphics engine
- Led team to implement successful creation of user interface and iteratively improve using customer feedback
- Review/analyze research papers to implement leading/state-of-the-art technology and paradigms into Thinker.

## SKILLS

- Computer Programming (JavaScript, Java, C/C++, UNIX/Linux, limited XML/HTML/CSS)
- Leadership
- Teamwork
- Public Speaking and Technical Presentation
- Technical Communication
- Customer Relations/Communication
- Time Management

## REFERENCES-AVAILABLE UPON REQUEST