Patricia Bird

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Education

Bachelor of Science in Electrical Engineering   **Graduation: July 2017**
Brigham Young University-Idaho   Rexburg, ID

- Relevant course work: **ECEN 324** Computer system and processor architecture.. **ECEN 260** programming commercial microprocessor. **ECEN 361** embedded systems, real-time application software development. **CS 308** Technical Communication.
- GPA 3.22

Bachelor of Science in Web and User Experience   **Anticipated Graduation: July 2021**
Minor in Computer Science
Weber State University   Ogden, UT

- Relevant course work: **WEB 1400** Web Design and Usability**, WEB 1430** Client Side Programming**, WEB 2500** User Experience Design**, CS 2550** Database Design and SQL**, CS 1410** Object Oriented Programming
- GPA 4.00

Technical Skills

- C/C++
- Python
- HTML5

- Perl
- Linux
- CSS

- SQL
- JavaScript
- Some Experience with User Interface Design

Work Experience

Math Tutor/ Sphero   **November, 2017 - Present**
Jerry Thomas, Adelaide Elementary Principal   Bountiful, UT

- Aid Teachers (k-6) with math lessons and tutor students.
- Write Curriculum of Sphero lessons. Teach student coding and coding principles. (JavaScript block based coding language)

I/O Design Intern   **August, 2016 – December 2016**
Troy Ruud, On Semiconductor I/O Design Team Manger   Pocatello, ID

- VLSI IBIS Design verification with Perl scripts.
- Performed physical process corner tests.

Teaching Assistant   **January, 2016 – August, 2016**
Dr. Jody Swenson, BYU-I Engineering Department   Rexburg, ID

- Teaching and grading Electrical Devices and Circuits course overseeing 1 section of 30 students.
- Teaching and grading: Electrical Circuit Analysis 1 course overseeing 2 sections of 45 students each

Teaching Assistant   **April, 2015 – August, 2016**
Mr. Luc Comeau, BYU-I Engineering Department   Rexburg, ID

- Tutoring and grading Software Development C++ course overseeing 3 sections of 30 students each.
- Analyzing and grading 10 major projects and over 4 exams.

Projects

Skeet C++ Program: Object Oriented, Classes, Structures, Inheritance, and Encapsulation

Simon Memory Game: MSP430 Texas Instruments Processor, LCD screen with touchscreen, Joystick buttons, Programmed in C

Movie Preferences Website: HTML5, CSS, JavaScript, access http://www.omdbapi.com and https://www.themoviedb.org database. Use of JSON, AJAX and XML.