Joseph Alexander Schell

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Portland, OR

LINKS

LinkedIn: **linkedin.com/in/js510**
GitHub: **github.com/Falcon-Punch**
Site: **falcon-punch.github.io/Portfolio**

SKILLS

PROGRAMMING

Proficient:
C • C++ • Java

Experience with:
C# • Python • SQL • PHP
HTML5 • CSS • JavaScript

Technologies:
Android • UNIX / Linux • Valgrind
Unity • Git / GitHub • PowerShell
Adobe Photoshop

EDUCATION

WESTERN GOVERNORS UNIVERSITY

Bachelor of Science
Computer Science
Salt Lake City, UT
GPA: 3.0
Expected Graduation Dec 2019

PORTLAND COMMUNITY COLLEGE

Associate Transfer Degree
focus on Computer Science
Portland, OR
GPA: 3.78
Graduated Aug. 2017

COURSEWORK

Data Structures
Object-Oriented Programming
Intro to Android Programming
Computer Security
Networking and Security
Computer Architecture
Operating Systems
Discrete Math
Linear Algebra

EXPERIENCE

SILIKA TECHNOLOGIES Software Development Intern

June 2018 – Current | Hillsboro, OR

- Worked with senior consultants to help clients solve business needs.
- Debugged and refactored code found in client software using Visual Studio.
- Technologies worked with include: C#, PowerShell, SQL, Git and Azure.

INTEL CORPORATION Manufacturing Technician

2014 – 2015 | Hillsboro, OR

- Completed tasks associated with all wafer and semiconductor production including equipment operations, engineering and training in a Class 1 clean room environment.
- Communicated with the engineering department to test and resolve issues with product development.
- Resolved nonstandard events within the product line to maintain continuity with operations.

U.S. NAVY Aviation Electrician

2008 – 2015 | Lemoore, CA

- Performed scheduled and unscheduled maintenance on electrical components for the F/A-18 naval aircraft in order to maintain crucial flight schedule operations.
- Tested and troubleshot embedded electrical issues using schematics, oscilloscopes, ohmmeters, ammeters and voltmeters.
- Collaborated with other electricians, technicians and engineers daily to apply group critical thinking methods to solve electrical aircraft issues.

PROJECTS

FRACTAL IMAGE GENERATOR

Technologies used: C++, Visual Studio

- Draws pixels onto a bitmap image that forms recursive fractal designs using Mandelbrot's algorithm.
- The program also has a zoom function that allows the user to magnify images.

UNIX SHELL

Technologies used: C, Eclipse IDE, UNIX

- Creation of a small command line interface in UNIX that utilizes child and parent processes.
- Program includes input/output redirection, piping and background launching.

UFO FLIGHT SIMULATION GAME

Technologies used: C#, Unity

- Allows players to fly a UFO through six levels of mazes that grow increasingly more difficult.
- Includes particle effects, moving obstacles, agile ship rotation and ship thrusting effects.

HONORS AND AWARDS

- Portland Community College President's List (Highest Honors)
- Phi Theta Kappa Member Award (Scholarship)
- Work Opportunity Tax Credit Eligible (For Potential Employers)