

Joseph Alexander Schell

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Portland, OR

EDUCATION

WESTERN GOVERNORS UNIVERSITY

BACHELOR OF SCIENCE

COMPUTER SCIENCE

Salt Lake City, UT

Expected Graduation May 2019

PORTLAND COMMUNITY COLLEGE

ASSOCIATE TRANSFER DEGREE

FOCUS ON COMPUTER SCIENCE

Portland, OR

Graduated Aug. 2017

LINKS

LinkedIn: [linkedin.com/in/js510](https://www.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

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 DEVELOPER

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 troubleshooted 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)