

# 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](https://github.com/Falcon-Punch)

Site: [Falcon-Punch.github.io/Portfolio](https://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)