

# Joseph Schell

falcon-punch.github.io/Portfolio  
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## EDUCATION

### PACIFIC UNIVERSITY

BACHELOR OF SCIENCE

COMPUTER SCIENCE

Forest Grove, OR

Expected Graduation May 2019

GPA: 3.57

## LINKS

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

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

## SKILLS

### PROGRAMMING

PROFICIENT:

C • C++ • Java

EXPERIENCE WITH:

C# • Python • SQL • PHP

HTML5 • CSS • JavaScript

TECHNOLOGIES:

Visual Studio • jQuery • Ajax

Android • UNIX / Linux • Valgrind

Unity • Git / GitHub • PowerShell

WordPress • Adobe Photoshop

## COURSEWORK

Data Structures

Intro to Android Programming

Computer Security

Operating Systems

Discrete Math

Linear Algebra

## AWARDS

- Math and CS Talent Award (Scholarship)
- Pacific Scholarships in Math and Sciences Award (Scholarship)
- Phi Theta Kappa Member Award (Scholarship)
- Work Opportunity Tax Credit Eligible (For Potential Employers)
- U.S. Navy Good Conduct Medal
- Global War on Terrorism Service Medal
- National Defense Service Ribbon

## PROJECTS

### MUSIC SITE / SPOTIFY CLONE

AUG 2018

Technologies used: HTML, CSS, PHP, MySQL, jQuery, Ajax

- A music streaming website that allows the user to sign up for an account, search and store music into personalized playlists.
- The site features an interactive music playing bar that allows the user to control the music via shuffle, repeat, play, pause, previous and next buttons.

### FRACTAL IMAGE GENERATOR

AUG 2018

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

MAY 2018

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 SCHOOL VIDEO GAME

MAY 2018

Technologies used: C#, Unity, PC Gaming

- 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.

## 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

Dec 2014 – May 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

April 2008 – Nov 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.