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

LINKS

Github: **github.com/Falcon-Punch**
LinkedIn: **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
Human Computer Interaction
Computer Security
Operating Systems
Discrete Math
Linear Algebra

AWARDS

Reserved

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 MAZE 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

RESERVED | Software Engineering Intern
May 2013 – Aug 2013 | Mountain View, CA
- Worked on the YouTube Captions team in primarily vanilla Javascript and Python to plan, design and develop the full stack implementation of a new framework to add and edit Automatic Speech Recognition captions.
- Created a backbone.js-like framework for the Captions editor.
- All code was reviewed, perfected, and pushed to production.

RESERVED | Open Source Contributor & Team Leader
Jan 2013 – May 2013 | Palo Alto, CA & Ithaca, NY
- Phabricator is used daily by Facebook, Dropbox, Quora, Asana and more.
- I created the Meme generator, the entire Lipsum application, ported Tokens to different apps, fixed many bugs and more in PHP and Shell.
- Led a team from MIT, Cornell, IC London and UHelsinki for the project.