

# Joseph A. Schell

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## SKILLS

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**Proficient Languages:** C, C++, Java  
**Experience with:** C#, Python, SQL, PHP, HTML, CSS, JavaScript  
**Technologies:** Visual Studio, jQuery, Ajax, Android, UNIX / Linux, Valgrind, Unity, Git / GitHub, PowerShell, Adobe Photoshop

## EDUCATION

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**Bachelor of Science, Computer Science** **Aug 2017 – May 2019**  
Pacific University, Forest Grove, OR (Expected)

**Associate of Arts Oregon Transfer Degree** **June 2015 – Aug 2017**  
Portland Community College, Portland, OR

## PROJECTS

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**Music Site / Spotify Clone** (HTML / CSS, PHP, MySQL, jQuery, Ajax) **Aug 2018**

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

**Cryptocurrency Top 100 Ranker** (Python) **July 2018**

- Python app that lists 100 cryptocurrencies in order of rank, 24-hour change or volume.
- Data is pulled from the Global API of Coin Market Cap website and displayed in a user-friendly command line display.

**UNIX Shell** (C, Eclipse IDE, UNIX) **June 2018**

- Creation of a small command line interface in UNIX.
- Utilizes child and parent processes as well as inter-process communication.
- Includes input/output redirection, piping and background launching.

## PROFESSIONAL EXPERIENCE

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**Software Developer – Silika Technologies**, Hillsboro, OR **June 2018 – Current**

- Worked with senior consultants to help clients solve business issues.
- Technologies worked with include: C#, PowerShell, SQL, Git and Azure.
- Wrote detailed tutorials on how to install, setup and use various client software.

**Manufacturing Technician - Intel Corporation**, Hillsboro, OR **Dec 2014 – May 2015**

- Completed complex functions 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 on a daily basis to test and resolve issues with product development.
- Resolved nonstandard events within the product line to maintain continuity with operations.

**Aviation Electrician - US Navy**, Lemoore, CA **Apr 2008 – Dec 2015**

- Performed scheduled and unscheduled updates and maintenance on 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 and communicated with other electricians, technicians and engineers daily to apply group critical thinking methods to solve issues.