**Education**

**Washington State University Pullman, WA**

BA Humanities, Concentrations in Applied Technology and Philosophy *May 2019 (Online)*

**Relevant Courses**: Introduction to Software Engineering, Introduction to Scripting, Advanced Data Structures, Data Mining, Automata and Formal Languages, Big Data, Enterprise Business Development, Data Management

**Skills**

**Languages**: Python, C/C++, SQL, Bash, Javascript, Perl, HTML, CSS, R

**Software**: OS X, Linux, Vi, Git, PostgreSQL, PyCharm, Jupyter, AWS Services, Windows, Visual Studio, Tableau

**Libraries/Frameworks:** Pandas, Beautiful Soup, discord.py, Scrapy, Numpy, Django, Psycopg2

**Relevant Work Experience**

**Software Developer (Freelance) Remote**

*Self-Employed (Freelance websites like Upwork and Freelancer) Jan 2018 – Present*

* Used Python to develop scraping scripts, web crawlers, and text parsers, as well as Django eCommerce websites
* Cleaned and optimized various data sources (Excel, CSV, etc.) for various ETL projects (SQL Server, Postgres, etc.)
* Tutored Computer Science and Management Information Systems students in programming and data management

**Washington State University SGDRIL Lab Pullman, WA**

*Software Developer / Technical Research (Intern)* *May 2017 – Dec 2017*

* Performed various Systems Administrator duties (Transferred website to Wordpress, updated version control to git)
* Worked with researchers to develop enterprise phasor modulation tracking software for Smart power grids in C#
* Refactored project in Python for use in OS X, Linux (Debian and Mint), and Windows

**Recent Personal Projects *(more at https://github.com/dhicks43)***

**BATty** (*live at https://batty-heroku.herokuapp.com)**Mar 2018 – Present*

* Dash powered severless web application for tracking the price of used cars over time
* Uses a series of AWS Lambda and Python ETL scripts that pushes BringATrailer.com JSON to a SQLite database
* Frontend uses Flask to host, React to make simple SQL queries and plot.ly to generate graphs

**You Free?** *(Backend Developer)**Jun 2018 - Present*

* Cooperative Flask powered web application that uses synced Google Calendar information to notify availability

**Personal Website** *Jun 2018 – Present*

* Designed and developed my personal website to show as a portfolio and blog using Bootstrap and Netlify
* Currently developing Flask template CMS software for the website

**WoodyBot** *Dec 2018 – Present*

* Discord chat bot written in Python to assist with administration, image scraping, and custom functionality
* Runs on and saves information to a Postgres Database using AWS EC2

**Achievements**

**DataQuest.io Certifications** *Apr 2018 – Jul 2018*

Postgres for Data Engineers **⦁** Optimizing Postgres Databases

Processing Large Data Sets in Pandas **⦁** Building a Data Pipeline

**WSU Spring Hackathon 2018** *Mar 2017*

Worked with two other classmates to develop WSU’s eventual Single Student Roommate Finder

**ACM International Collegiate Programming Contest** *Sept 2016*

Placed Fourth in the East Washington Regional ACM coding competition