

# Athena Gundry

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## Education

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### Paul G. Allen School, University of Washington Seattle

Expected Dec 2024

Bachelor of Science - Applied Mathematics, Computer Science

3.7 GPA in-major

- Relevant Coursework: Data structures & algorithms, applied mathematics, statistics & probability, linear algebra, advanced calculus, quantum computing, hardware/software interface

### Launchcode Bootcamp, Portland, 2018

- Successfully completed 6 month bootcamp teaching full stack web development as one of 30 students remaining out of 150+

## Work Experience

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### Parthenon Software Group

Aug 2021 - Oct 2021

*Software Engineer Intern*

Portland, OR

- Implemented an app that generates a random Spotify playlist when users login
- Created a Flask web app to authenticate against the Spotify API when end user logged in to website

### Freelance Business Analytics

Sep 2021

- Enabled small business owner to analyze expenses/sales from 50+ products by graphing data
- Generated estimated \$3000 in additional revenue over 3-month period by streamlining available products
- Processed pre-existing sales spreadsheet using Pandas; used Matplotlib for user-friendly data visualization

## Personal Projects

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### Algorithmic Momentum Trading Neural Network, Sep 2023 - Trained to send buy/sell signals on stocks

- Used 10 technical indicators to train neural network using scikit-learn on data from 4 different stocks
- Achieved modest returns with 97% signal accuracy during backtesting on historical stock data

### Quantified Self App for Health Monitoring, May 2022 - Created program to help users track effects of medication

- Prompt users to track their mood, sleep, and other user-selectable quantitative factors
- Easily visualize the effects of different dosages of medication on these factors over time utilizing Seaborn

### Job Keyword Scraper, Oct 2021 - Developed program that allows people to search job listings on Indeed using keyword analysis, and then displays a graph of the average salary by keyword

- Utilized Python with the Pandas & Seaborn libraries to visualize data, additionally allowing users to see the frequency of a given keyword in job listings so that they can find matching jobs for their skill set faster

## Relevant Skills

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- Python, including Pandas, Seaborn, scikit-learn, and the SciPy scientific libraries
- C++, Java, and C