

Blaine Davenport

Hayward, CA 94544 • (661) 203-4902 • bbdavenp@gmail.com
linkedin.com/in/blaine-b-davenport • github.com/bbdavenp

OBJECTIVE: Recent CS Masters graduate pursuing a career in software development at a technology company to apply my educational background with my extensive prior financial experience.

EDUCATION

Georgia Institute of Technology, Atlanta, GA

Master of Science in Computer Science, Aug 2020

Specialization: Machine Learning
GPA: 4.00

University of California, San Diego, La Jolla, CA

Bachelor of Science in Management Science

PROJECTS

Food Recommender App

- Developed a web app using Python, JavaScript, and Google APIs that used Yelp data and suggest 3 restaurants along a route.
- Implemented a Singular Value Decomposition algorithm to take user preferences to select restaurants.
- Created restaurant data visualizations using D3.js to easily compare restaurants' qualities.
- Utilized: Python, scikit-learn, Flask, JavaScript, D3.js, HTML/CSS, API, GIT

Android App – Cryptogram Puzzles

- Used Java and Android Studio to create an Android application that allows players to sign up and play Cryptogram puzzles.
- Set up a Firebase Realtime Database to store users' info and game information and statistics.
- Implemented J-Unit to create extensive unit and integration testing.
- Utilized: Java, Android Studio, Firebase Database, J-Unit, Object-Oriented Design Principles, Unit-Testing

Ice Rover Project

- Used Python to implement SLAM (Simultaneous Localization and Mapping) and a robot control system, to navigate an ice rover through unknown 2-dimensional worlds.
- Ice rover can simultaneously map the environment and locate each site, given only the absolute coordinates of sites to explore and having no knowledge of the map.
- Utilized: Python, Artificial Intelligence

EXPERIENCE

Gallo Sales Company – E&J Gallo Winery, Hayward, CA

Financial Analyst 2, Apr 2019 – Present

Financial Analyst 1, Aug 2016 – Mar 2019

- Use Python to automate the generation and distribution of financial reports to the Sales Team saving 8 hours a month.
- Coordinate and prepare state-wide annual budget and financial forecasts for executive management.
- Conduct monthly review of company's financial performance to analyze sales trends and expenses in order to report any variances and provide insight on how to meet performance objectives.
- Work cross-functionally to improve the efficiency of the Operations Group's existing processes by generating internal reports and using VBA to create Excel Macros – effectively automated 10 hours of work per week.

Intercontinental Exchange, Santa Monica, CA

Fixed Income Data Analyst, Jan 2015 – Aug 2016

- Used batch scripts and VBA to perform historical data analysis on fixed income portfolios and rebalanced indexes for Northern Trust, S&P, and BlackRock.
- Streamlined daily Index Services operations to a more accurate, efficient, and automated process – reduced weekly tasks from 25 hours to 4 hours.

SKILLS & INTERESTS

Languages: Python, Java, C++, JavaScript, SQL, VBA
Software: Git, Linux, Android Studio, Excel
Interests: Tennis, Golf, Finance, Technology