

Bryan Nguyen

(408) 202-6759 | San Jose, CA | bryannguyen1250@yahoo.com | linkedin.com/in/byngyn | Portfolio: byngyn.github.io

Career Objective

Aspiring engineer with a strong foundation in programming, mathematics, and computer hardware. Skilled in Python, C++, and SQL. Seeking a full-time position in the tech or data industry, where I can leverage my technical skills, problem-solving abilities, and commitment to learning to contribute to business success.

Work Experience

Sierra Circuits

September 2024 - Present

Sales Technical Support

Sunnyvale, CA

- Enhanced sales support by validating PCB fabrication designs for clients, analyzing their documentation, and utilizing CAM/CAD to conduct thorough design verification, ensuring the most accurate and competitive quotes.
- Automated the extraction of relevant data from the client's files and notes via Python scripts, highlighting and summarizing information to streamline data entry and reduce processing time by 5 minutes per job.
- Utilized Linux commands and custom Perl scripts in a WSL to optimize and correct PCB designs within CAM software, allowing accurate feedback to clients to improve manufacturability and lower costs.

Corovan

June 2022 - September 2022

IT Technician

San Jose, CA

- Collected and maintained documentation of computer office inventory, ensuring a seamless relocation process.
- Managed IT ticketing within Excel, single-handedly completed 60% of company-wide tickets daily.
- Delivered technical troubleshooting and hardware repair services for clients, completing each within 30 minutes.

Skills and Certifications

Programming Languages: Python, C++, SQL, HTML/CSS/Javascript

Libraries and Packages: React.js, Node.js, Pandas, Numpy, Pytorch, TensorFlow, scikit-learn

Tools and Skills: MS Excel, Git/Github, Linux, AGILE

Frameworks and Databases: Express.js, Django, MongoDB, MS SQL Server

Certifications: Google Advanced Data Analytics, IBM Data Science

Projects

Fitness Progress App | Django, React

July 2024 - Present

- Designed a personal website app to both track and convert my workout data into visualized progress
- Leveraged Django for data processing and interaction with PostgreSQL database, while employing React.js for a user-friendly and responsive interface

Street Fighter AI | Pytorch, Optuna, TensorFlow

October 2023 - November 2023

- Developed an AI reinforcement learning model for Street Fighter using Pytorch, Optuna, and Stable Baselines
- Engineered a custom wrapper, which implemented data preprocessing steps, batch size, and learning rate
- Monitored training process with Tensorflow to visualize KPIs such as win/loss ratio, scoring, and move selection

Search Engine | MongoDB, Express, React, Node

September 2021 - November 2021

- Collaborated with a team of 5 to build a search engine for courses with UC Santa Barbara's course API
- Enhanced user experience by implementing intuitive search filters and optimizing query performance
- Implemented AGILE principles and methodologies to ensure efficient development
- Tested application using Codecov for debugging syntax errors and deployed on Heroku Cloud

Education

University of California, Santa Barbara

September 2018 - September 2023

Bachelor of Arts in Mathematics

Santa Barbara, CA

- Relevant Coursework:** Data Structure & Algorithms, Object Oriented Programming, Advanced App Programming, Principles of Data Science, Intro to Computer Communication Networks, Calculus, Linear Algebra