Hugh Nguyen

(United States Citizen)
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CAREER OBJECTIVE

Seeking a software engineering position that utilizes my skills in software development. I have experience in building full-stack web applications, as well as in designing front-end web interfaces, in designing web server-controllers, and implementing backend databases. I am a detail-oriented and hard-working individual with a track record of delivering high-quality work on time.

EDUCATION

San Francisco State University (Class of 2022)
B.S. Computer Science | Major GPA: 3.6

WORK EXPERIENCE

Software Engineer   January 2021 - Present
Bi-Finance / San Francisco, California (Remote)

- Designed and built a full-stack web application for **Bi-Finance**, a private FinTech company, that collects data from the Internet, processes and stores that data in a database, and uses advanced analytics to generate predictive insights on the stock market, by implementing the following technology stack:
  - Built a GUI web page using **React & Angular JavaScript**, which allows users to interface with the web application and view selected data in various tables and charts, as well as sort and display that data in different views (lowest to highest P/E, highest to lowest 52-week stock price, etc.)
  - Built a **MySQL** database, which categorizes stock market data for Fortune 5000 companies
  - Wrote codebase for the web server to handle requests from the front-end browser, parse requests for that data in the database, and send responses back to client users

PROGRAMMING SKILLS / KNOWLEDGE

- Proficient in using **HTML**, **CSS**, and **JavaScript** to build responsive and mobile-friendly website page designs, including cross-browser compatibility and performance optimization
- Proficient in using front-end frameworks such as **ReactJS**, **Spring**, and **Spring Boot** to build dynamic and interactive user interfaces
- Proficient in low-level programming languages, **C**
- Proficient in object-oriented programming languages, primarily **C++** and **Java**
- Experienced in using server-side frameworks such as **NodeJS** and **Express** to build scalable, high-performing web applications
- Experienced in query languages, primarily **SQL** (to manipulate data in relational/non-relational databases) and **NoSQL** (to interact with large datasets with data modeling for distributed systems)
- Very strong foundation in:
  - Data structures and algorithms, especially with different data sorting methods, like implementing efficient **CRUD** operations in database design
  - IP-based networking architecture, L2 subnet level switching, inter-subnet L3 routing, and use of proxy server and NAT internet IP routing
  - Computer architecture down to hardware level, operating system, and file system
  - Familiar with system utilities such as CLI of **Linux**, Mac OS, Windows OS, and Microsoft Desktop tools
  - Verbal, written, and presentation communication skills

SCHOOL PROJECTS

Pottr.app
- Served as project development lead on web application, focused primarily on building the front-end user interface (using **HTML**, **CSS** and **JavaScript)** to optimize page performance and tying the SQL databases to back-end functions

TankGame
- Served as a primary software developer, focused primarily on designing and implementing game-level functions using **Java** and Open Game API

DeviceDriver
- Served as primary software developer, focused primarily on designing and implementing security-level encryption and decryption using **C** and Linux CLI

CREDENTIALS & LICENSES
- NASM (National Academy of Sports Medicine)
- Completed first 2 years of the pharmacy program at University of the Pacific

HOBBIES
- Ironman(Triathlons) (Recently completed 55-mile bicycling, 26-mile running event)
- Basketball (Placed first in latest national Las Vegas basketball tournament)