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Victor S. Ye

EDUCATION

University of California, Santa Cruz | Computer Science BS | June 2020

SKILLS

- **Technical Skills:** Python, Java, Javascript, Node.js, Angular, React, C/C++, Swift, SQL, Linux, REST, HTML, LaTeX
- **Languages:** Fluent in English, Cantonese, and Mandarin

PROFESSIONAL EXPERIENCE

Software Engineer Intern (Angular Node.js) | LogosNews Oct. 2020 - Present

- Work directly with Tech Lead and UX team to build full-stack software solutions that decentralizes news media.
- Integrate and extensively test payment system for our subscription services using Stripe API.
- Design and implement Express backend to maintain customer and transaction security.
- Componentize subscription service to reduce API calls and increase cost efficiency in Google Cloud App Engine.

Capstone: Consumer Health Portal (React Node.js) | Accolade Jan. 2020 - June 2020

- Developed a React web application that collects and displays users' health data from various healthcare sources.
- Created API endpoints that fetches, transforms, and then posts new health data to Accolade database.
- Designed modular OAuth and data manipulation flow to prioritize component reusability.

Learning Technologies IT Consultant | UC Santa Cruz Jan. 2020 - Mar. 2020

- Diagnose, determine root cause and resolve software issues of computer lab workstations.
- Implement organization information and technology security standards for safety of computer patrons.

PROJECTS

Option Put-Call Ratio Generator (Python, Flask) Jan. 2021 - Present

- Utilize yfinance and Yahoo_fin APIs to scrape the day's 30 most active stock option chains from Yahoo finance and calculate put to call ratios for options trading volume and open interest and beautifully display in frontend.
- Generate over 600+ followers on Webull brokerage.

Interpreting EEG Data of Video Stimuli (Python) Jan. 2020 - Mar. 2020

- Led team of 3 to implement a CNN model to classify brain activity from 5 types of visual stimuli.
- Utilized multilevel preprocessing techniques including filtering, interpolations, and FFTs.

Nutrient Plus Nutrient Tracker (Python, IOS Swift) Sept. 2019 - Dec. 2019

- Designed and implemented food recommendation algorithm to best suggest foods to fulfill daily nutritional needs, integrated with the USDA's FoodData Central API to beautify nutrient data for best user experience.
- Utilized Python script to scrape and populate database with 20000+ food objects.
- Coordinated with team members using best SCRUM practices and Agile methodology.

Fridge Buddy (Android Java) Apr. 2019 - June 2019

- Created an Android food pantry application that generates recipe recommendations based on food stores, integrated with a barcode scanner and nutrition libraries to allow users to effortlessly input food nutrition data.
- Built and maintained application SQLite database for optimal performance.
- Devised project plan, mock ups, and communications with professor as Product Owner.

HOBBIES

Volunteering with kids, Glass engraving, Woodworking, Hiking, Biking, Gaming