Enoch Chen

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Education

Cornell University   *Ithaca, NY*
B.A. in Computer Science | Minor in Philosophy   *Expected May 2023*
- Relevant Coursework: Object-Oriented Design and Data Structures (Honors), Discrete Structures, Functional Programming

Skills

Technologies   ReactJS, Gatsby, NodeJS, Firebase, Git, Github Actions, Travis CI
Languages   Java, C#, JavaScript, TypeScript, Python, OCaml
Communication   English, Chinese

Experience

Cornell Design and Tech Initiative   *Ithaca, NY*
Full Stack Developer   *Sept. 2019 - PRESENT*
- Develop the backend of "eve", a mobile app for discovering events at Cornell, using React, NodeJS, and Firebase.
- Implemented a backend interface for importing and processing event data from both a web scraper and user-generated files.
- Integrated an efficient authentication system to track event attendance of mobile users.

Cornell University   *Ithaca, NY*
Teaching Assistant   *Jan. 2020 - PRESENT*
- Hold office hours and grade assignments for students.
- Collaborate with instructors to design course curriculum.
- Course: Trends in Web Development

FIRST Robotics Competition, Great Neck South High School   *Great Neck, NY*
Programming Lead   *Sept. 2017 - May 2019*
- Programmed various robots in Java for competition and local community outreach events.
- Optimized robot movement through PID control and real-time visual processing.
- Hosted programming workshops for current and prospective team members.
- Contributed to consistent competition performance, leading the team to qualify for the FIRST Championship (Worlds) two seasons in a row.

Side Projects

Ask Palette - BigRed//Hacks Hackathon   *Sept. 2019*
Solo Developer
- Developed a web tool that generates a color palette from a given search query using Google App Engine and Flask.
- Integrated Google Cloud ML Engine to analyze queried search terms and produce appropriate colors.
- Designed a cache system to avoid unnecessary API calls.

Half Bot Half Brain - TeenHacksLI Hackathon   *May 2019*
Developer
- Developed a tool to analyze input text and generate a grammatically valid variation of given text using a React frontend and Flask backend.
- Created an interface where user can enter custom text and view the generated result.

Legends of Code and Magic - Competition   *July 2018 - Sept. 2018*
Contestant
- Designed an AI in Java to play a digital strategy card game.
- Implemented an efficient game model to use with Monte Carlo tree search.
- Placed 81st out of over 1000 competitors.

QMK Firmware   *July 2018*
Open Source Contributor
- Implemented Bluetooth functionality for the HHKB keyboard model.