Eric Wu

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EDUCATION

University of California Irvine, Samueli School of Engineering   **Irvine, CA**
Bachelor of Science in Computer Science and Engineering   *Expected June 2022*
GPA: 3.4
Awards: Dean's List, Major League Hacking – Best Beginner Hack (awarded at Citrus Hack 2019)
Relevant Completed Coursework: Python Programming and Libraries, Linear Algebra, Differential Equations, C/C++ Programming, Discrete Math for CS, Data Structures and Algorithms, Principles of Operating Systems

WORK EXPERIENCE

iD Tech Camps   **Campbell, CA**
Online Programming Instructor   *Summer 2020 - Present*
- Taught students ages 11 – 19, Python, C++, and Java
- Planned lessons and projects for students based on their experience and interests
- Ensured that students could use skills taught in class in practical applications

Campus Hoy, Subsidiary of Wisedu   **Nanjing, China**
Software Development Intern   *Summer 2019*
- Created applications implementing native databases and GUI interfaces in Android's API
- Queried HTTP requests using OkHTTP3 and used Google's API to read JSON files using Gson and Glide
- Assisted with UI design by building GUI interfaces with interactive icons and layouts through XML
- Used Java to create content and functionality, linking, transferring, and sharing information between activities

SELECT PROJECTS

Japanese Car Match (Facebook Global Online Messaging Hackathon), June 2020
- Used Nodejs and Facebook for Developers to program a bot that can respond to users messaging a Facebook page
- Linked webhook to Heroku, enabling the script to send HTTP requests to Facebook
- Parsed JSON data with JavaScript, ensuring data could be easily changed and extracted
- Wrote matching algorithm for bot, enabling it to filter JSON data and obtain a list of cars matching user preferences

Beta-Amyloid Analysis Program (UCI ML Hackathon), May 2020
- Evaluated experiment datasets and wrote scripts to successfully determine which factors most accurately predict Beta-Amyloid positivity
- Utilized Pandas and Pyplot to depict data in easy to read graphics

TravelManager App, Fall 2019
- Created Android Application prototype with Java that allows users to categorize and display expenses
- Made use of built-in Android phone database to store and protect user data

SoulWoof (Won MLH Best Beginner Hack 2019), Spring 2019
- Created web app prototype where people can find and schedule local playdates for their pets using Firestore, React, and Semantic UI
- Won $600 Team Award for project design and implementation

RC Quadcopter with Environment Sensors, Fall 2018
- Used Solidworks to design a quadcopter that can fly and change elevation
- Set up quadcopter's servos and ultrasonic sensors, and programmed the Arduino using C++

SKILLS/INTERESTS

- **Coding Languages:** Java, Python, C/C++, VHDL, JavaScript, HTML, CSS, SQL, R, XML, Shell script
- **Tools/OS:** Solidworks, Arduino IDE, Eclipse, PyCharm, GitHub, Android Studios, Google Test, Linux, Pandas, Nodejs, Unity, Heroku, Visual Studios, JSON, Amazon DynamoDB, Unity, Pygame
- **Interests:** Basketball, Volleyball, Drawing, Hiking, Classical Guitar