Minh Huynh

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EDUCATION

California State University, Long Beach   **Jan 2022 – May 2024**
BS, Computer Science – GPA 4.00   *Long Beach, CA*
- **Activities:** Association for Computing Machinery (ACM)
- **Coursework:** Algorithms (A), Object Oriented Application Development (A), Discrete Structures with Computing Applications (A)

Whatcom Community College   **Jan 2017 – Dec 2018**
AS, Computer Science – GPA 3.99   *Bellingham, WA*
- **Activities:** Vice President (Programming Club), Student Leadership (Associated Students of WCC)
- **Coursework:** Data Structure Algorithms (A+), Calculus II (A+), Calculus I (A+)

WORK EXPERIENCE

Software Engineering Intern – React Native, Redux, Firebase   **Apr 2019 – Jan 2020**
Vietlink Global Corp.   *Westminster, CA*
- Built a **React Native** mobile app serving **7800+ customers** that solved the **10-year issue** of long-time waiting in line for service. The app allowed customers to self-create, manage, and track shipments
- Implemented **Redux** for state management, **React Navigation** for screens, and **Firebase** for notifications
- Communicated effectively with other team members, followed strict guidelines and deadlines

Computer Science Tutor   **Oct 2018 – Dec 2018**
Whatcom Community College   *Bellingham, WA*
- Provided support for 10+ students per day on the principles of **Java** and **Object-Oriented Design**

VOLUNTEER

Collaborative Robotics Research (team of 5) – **Python, C++**   **Sep 2022 – Current**
- Develop a program that navigates two NAO Robots to find an object on the floor, with two obstacles
- Control TurtleBot with **Python** script to map the floor surface, then communicate with NAO Robots via **TCP** port to generate possible going paths on the floor
- Implement **Dijkstra algorithm** to find the shortest path from the robot to the target object

PROJECTS

Handwriting Robot (individual) – **Python, C++**   **Aug 2022 – Current**
- Developed an automated script that controls a 3D printer to write an address on an envelope using real pen
- Converted self-handwriting vector input to corresponding **Gcode** using **Python** and submitted printing command via **TCP Port**
- Human-input time effort decreased from **2 to 0.5 hours** and the rate increased from **2 to 4 notes/minute** by applying **OCR Pytesseract** to recognize printed text

Food Order iOS Mobile App (individual) – **Swift, SwiftUI, Firebase, CocoaPods**   **Sep 2022**
- Produced a fully functional food ordering app based on user location that allows searching and ordering items
- Introduced **Firebase** to retrieve menu and submit orders containing all the details and delivery location

Food Venture Website (team of 3, *MarinaHacks Hackathon*) – **HTML, CSS, JS**   **Apr 2022**
- Established a website that enables visitors to explore a country and its most popular food by region

Video/Quiz Automation Program (individual) – **AutoIT, SQL**   **Jan 2017 – May 2017**
- Built a **Windows app** that watches clips to generate 10 tickets/day and win instant cash, serves **1000+ users**
- Program required connection to self-hosted **API Server** for login authentication
- Stored user's IP and MAC Address on **MySQL database** to restrict access from multiple devices

SKILLS & INTERESTS

Languages: Java, C++, Python, Swift, React Native, JavaScript, HTML, CSS, jQuery, AutoIT, SQL
Tools: AWS, Oracle Cloud, Nginx, Docker, Firebase, Git, MySQL, Xcode, CocoaPods, Node.js, Windows, Linux
Interests: Clean Energy, Cars, AI, Autonomous, VR, Home Decoration, Traveling, Music, Graphic Design