

Wookeun Oscar Song

Software Developer

Current Residence: New York (Manhattan), NY
Languages: English, Korean, Spanish
Work Eligibility: U.S Citizen

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Work Experience

Full Stack Web Developer | @ Menos (Freelance)

September 2019 - Present

- Build and maintain all the work of databases, servers, systems engineering, and clients of web apps including the web store, QR code repair app, supply chain database, and inventory automation system
- Established backend server to track and automate data flow of an international supply chain and nation wide recycle collection stations that non-technical employees can easily access to add and edit data
- Designed and built a database architecture to strengthen product and user management for employees

Software Developer | @ Pearson (Contract)

August 2021 - February 2022

- Developed, implemented and tested accessibility friendly software for *Pearson's* main product used by school boards across U.S to ensure examinations are fair and easy to use for both students and test makers
- Modernized low-level legacy based vanilla JavaScript code to more contemporary style code in order for system to be secure, and easier to be read and developed for future developers
- Identified and investigated software defects and bugs to write comprehensive documents for developers to easily initialize solving technical problems and to enhance easy transfers of knowledge to the clients

Software Quality Engineer | @ Google via Qualitest (Full-time)

October 2020 - August 2021

- Improved action results of *Google Assistant's* AI and ML algorithms to increase their success results rate
- Analyzed failed data and further related diagnosis to identify, isolate, and track bugs throughout testing

USA Climbing certified Routesetter | @ Austin Bouldering Project

July 2017 - September 2019, Austin TX

Computer/Hardware Network Support Specialist | @ Austin Korean School

August 2015 - September 2019, Austin TX

Tech Advisor/Floor Salesman | @ UT at Austin Campus Computer Store

September 2014 - February 2015, Austin TX

Robotics Software/Electrical Engineer | @ Miracles & Machines

November 2012 - May 2014, Austin TX

- Built software and electrical components of multi-functional robots that drive, catch, collect, carry, throw objects both autonomously and tele-operationally, assisted by sensor feedback control system
- Managed cross-functional integrations between mechanical, electrical, and software components

Web Project

FBI Crime Stats - [Web](#) | [Repository](#)

November 2019

A graphical website that shows detailed crime data of each states from 1979 to 2019

- Scraped raw crime data directly from usa.gov to provide users the most up to date accurate data
- Developed front-end using Vanilla JavaScript for low level controls and direct DOM manipulation

Skills

Frameworks/Libraries: NodeJS, ExpressJS, ReactJS, Bootstrap

Languages: JavaScript, HTML, CSS, SQL, LabVIEW

Tools: Git, MongoDB, PostgreSQL, Netlify, Heroku

Education

Flatiron School | Software Engineering Certificate

September 2019 - January 2020, Austin TX

Relevant Classes: Object-Oriented Programming, Product Management, Web and Front-End Frameworks

The University of Texas at Austin | worked towards B.S. Computer Science

Fall 2014 - Fall 2017, Austin TX

Relevant Classes: Computer Organization and Architecture, Data Structure, Discrete Math for C.S, Calculus