

# Wookeun Oscar Song

## Software Developer

Languages: English, Korean, Spanish  
Current Residence: Austin, TX  
Work Eligibility: U.S Citizen

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### Work Experience

#### **Freelance Full Stack Developer** | current client: Menos

September 2019 - Present

- Build and maintain all the work of databases, servers, systems engineering, and clients of web apps
- Established backend server to easily track and manage data flow of an international supply chain
- Designed and built a database architecture to strengthen product and user management for employees

#### **Software Developer** | @ Pearson

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
- 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

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

#### **Front-End Developer** | @ UT at Austin Competition Climbing Team

September 2016 - September 2017, 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-operationaly, assisted by sensor feedback control system
- Managed cross-functional integrations between mechanical, electrical, and software components

### 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

Languages: JavaScript, Java, Python, Ruby, HTML, CSS, SQL, LabVIEW

Frameworks/Libraries: NodeJS, ExpressJS, ReactJS, Ruby on Rails, Bootstrap

Tools: Git, MongoDB, PostgreSQL, Netlify, Heroku

### Education

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