

# Scott Hung

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## PROFESSIONAL EXPERIENCE

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**Karagozian & Case, Inc. (K&C)**, Glendale, CA

**January 2020 – January 2021**

*Software Engineer*

- Increased user productivity by 200%, improved meshing success rate from 50% to 99%, and helped transition application to the beta release by writing Ruby code to integrate a new meshing library with the application.
- Achieved over 90% user adoption rate by proactively presenting new features that I added as well as best practices for the Ruby application to internal teams and users located in the USA and Australia.
- Lead and reported to my firm's CEO on the research and benchmarking process to identify the new meshing library.
- Constructed graphics pipeline for an OpenGL and C application so that the application could dynamically generate various hexahedral structures.
- Completed beta release of a C++ and Qt application that plots curves for observed material response data and expected material response data by debugging, creating unit tests, refactoring code, and enhancing the GUI.
- Implemented and designed multithreaded architecture to run calculations in the background and to stop GUI freezes.

**Bank of the West (a subsidiary of BNP Paribas)**, San Ramon, CA

**June 2019 - August 2019**

*Software Engineer and Data Science Intern*

- Built the backend with Python and Flask of an app that allows the user to enter data and then receive a prediction with 90% confidence for how many years someone will work at a company.
- Collaborated with designers for rapid iteration of UIs and created UIs with JavaScript, React, CSS, and Bootstrap.
- Developed, trained, and tested scalable Python machine learning (ML) models that predict KPIs for business users.
- Wrote reliable, testable, and maintainable code for ML models that will be used by 400+ developers.
- Created a REST API with Flask and Python (NumPy, SciPy, Pandas, and scikit-learn) for a data science microservice.

**Oracle Corporation**, Redwood City, CA

**June 2016 – June 2019**

*Account Manager*

**December 2017 – June 2019**

- Generated \$250,000 in revenue by coordinating engineering and sales resources to develop a cloud solution for a Fortune 500 customer that streamlined B2B integration between enterprise software applications and microservices.

*Sales Development Representative (promoted after 1.5 years to Account Manager)*

**June 2016 – December 2017**

- Generated over \$170,000 in revenue by analyzing internal data with Excel, building Excel pivot tables to identify companies most likely to buy Oracle software, and discussing business needs with companies' senior management.

## SKILLS

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- **Languages:** C++, C, Ruby, Python, JavaScript (ES6)
- **Frameworks:** Qt, Node.js, Next.js, React, Flask
- **Libraries:** Pandas, scikit-learn, SciPy
- **Other:** Git, CSS, Agile, SQL

## PROJECTS

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**Personal Website**

*Project Link:* <https://github.com/scotthun/nextjsWebsite>

- **Tech Used:** Next.js, React, JavaScript, HTML, and CSS
- **Summary:** My personal website that introduces my motivation for studying computer science and wanting to become a software engineer and a form to send messages to my email via the POST method.
- **Role:** Developed the Next.js backend and created webpage layout and style with React, HTML and CSS.

## EDUCATION

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**Oregon State University**, Corvallis, OR

*Bachelor of Science, Computer Science*, GPA: 3.74/4.00.

*Coursework:* Data Structures, Algorithms, Databases (SQL), Operating Systems (Unix and Linux).

**University of Southern California (USC)**, Los Angeles, CA

*Bachelor of Arts, History*, GPA: 3.54/4.00 (cum laude).