

EDUCATION

San Diego, California **University of California, San Diego** **Class of 2022**

- *B.S.* in Computer Science
- Coursework: Design and Analysis of Algorithms, Advanced Data Structures, Managing Diverse Teams, Software Tools and Techniques, Software Engineering, Deep Learning, Operating Systems, SQL Databases

EMPLOYMENT

Data Science Intern **LNS Integration** **June 2019 – August 2019**

- Designed and built Microsoft SQL Server pipeline for pharmaceutical data so that clients could integrate both sales and CRM data and receive timely sales reports.
- Cleaned data and performed normalization in Python (*pandas, numpy*) so that my data pipeline would generate correct daily and monthly reports for multibillion-dollar clients in the Oceanic region automatically.
- Learned principles of effective leadership, sales, and marketing (designing KPIs) by attending sales calls and trainings with sales directors and CEO.

Software Engineering Intern **Teradata** **June 2018 – September 2018**

- Assisted Database DSA (Data Stream Architecture) team by creating a CLI to view database progress statistics and locks statistics using C++ so clients could better track the state of their backups and migrations.
- Wrote agile unit tests in Python for Jenkins CI/CD and established a continuous integration environment so testing was easier and more efficient for the DSA team.
- Used semaphores and resource locks in Teradata's massively parallel architecture to effectively pull statistics from migrations.

Frontend Software Engineer **Egge** **April 2018 – July 2018**

- Spearheaded the team and oversaw the design of the application, and mentoring another developer to write a spontaneous event-meeting app using React/React Native.
- Used Firebase NoSQL backend for data storage and the Google Maps Geolocation API to enable realtime event planning for Egge users.

Software Engineer (Contractor) **Strategy Companion** **December 2016 – January 2019**

- Wrote 5 Data Adapters using ADO.NET in C# so clients could import data from QuickBooks, CSV, Excel, JSON, and Google Sheets into our BI platform on Microsoft SQL Server.
- Leveraged D3.js to render pivot table data so users could view sales/financial data easily.
- Reduced graph rendering times by 55% by caching data to reduce calls to SQLite database to ensure a fluid user experience.
- Designed multiple UI mockups in Photoshop and built-in code to create seamless and responsive chart UI.

PROJECT EXPERIENCE

- **First Place – OC Hacks 2015:** Created a productivity web app in PHP and MySQL that leveraged SHA2 encryption and user authentication in order to provide personalized homework and class planning.
- **First Place – LA Hacks 2017:** Implemented an app that scored body form of athletes using Azure's machine learning platform for three different sports.
- **ParkMe – Hack MIT 2019:** Wrote React Native frontend for a mobile app and made API calls to a flask API endpoint in order to detect vacant parking spaces while in motion.

LANGUAGES AND TECHNOLOGIES

- Programming Languages: Python, C++, Java, JavaScript, HTML/CSS, Microsoft SQL
- Technologies: React/React Native, Firebase, node.js, Git, Jenkins (CI/CD), Salesforce CRM, Android Studio, Photoshop, Pytorch