

## EDUCATION

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**San Diego, California**                      **University of California, San Diego**                      **Sept. 2017 – June 2021**

- *B.S.* in Computer Science
- Coursework: Design and Analysis of Algorithms, Advanced Data Structures, Visual Arts, Managing Diverse Teams, Software Tools and Techniques, Software Engineering

## EMPLOYMENT

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

- Designed and built out a Microsoft SQL Server pipeline for pharmaceutical data analytics so that clients could integrate both sales data and CRM call data and receive timely sales reports.
- Cleansed data and performed data normalization in Python and Excel so that our pipeline would generate correct daily and monthly reports for our clients in the Asia-Pacific region.
- Learned principles of effective leadership as well as sales and marketing (designing effective KPIs) by attending sales calls and trainings with sales directors.

**Software Engineer, Intern**                                      **Teradata**                                      **June 2018 – September 2018**

- Assisted Database DSA (Data Stream Architecture) team by creating a command-line interface to view database progress statistics in C++ so that Teradata's clients could better understand 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 would be made easier and more efficient for the DSA team.
- Utilized semaphores and resource locks in Teradata's massively parallel architecture as a countermeasure against data corruption to decrease clustered server downtime.

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

- Spearheaded the team and oversaw the design of the application, working with 2 other developers to code a spontaneous event-meeting app using JavaScript via React Native and Android Studio.
- Utilized Firebase NoSQL backend for real time data processing and Google Maps Geolocation API to allow users of Egge to set up local spontaneous events in real time.

**Software Engineer, Contractor**                                      **Strategy Companion**                                      **December 2016 – Present**

- Created 5 Data Adapters using ADO.NET so that clients would be able to import data from QuickBooks, CSV, Excel, JSON, and Google Sheets into our BI platform on SQL Server.
- Leveraged chart libraries to render pivot-table data so that users could view complex data easily.
- Optimized graph rendering times by 55% by caching data to reduce calls to SQLite database to ensure a seamless user experience.
- Designed multiple UI iterations in Photoshop and realized them in code to create a clean and aesthetic user experience.

## PROJECT EXPERIENCE

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- **First Place (Category) – Kinect Coach, LA Hacks 2017:** Implemented an app that scored body form of athletes using Azure's machine learning platform for three different sports.
- **First Place (Grand Prize) – Organize Me, 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.

## LANGUAGES AND TECHNOLOGIES

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- Programming Languages: Python, C++, Java, C#, JavaScript, PHP, HTML/CSS, SQL
- Technologies: ADO.NET, React Native, Visual Studio, SQL Server, React, Firebase, GCP, Microsoft Azure, node.js, GitHub, Jenkins (CI/CD), Salesforce CRM, Android Studio, Photoshop