

Jonathan Leigh

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(949)-275-1981
Based in Irvine, California

OBJECTIVE SUMMARY

Detail-oriented software engineer with experience across diverse tech stacks, aiming to leverage technical expertise in business-oriented roles that prioritize problem-solving and organizational growth.

EDUCATION

BSc in Computer Science - UC San Diego, San Diego, CA

Graduated December 2022

- Design and Analysis of Algorithms, Advanced Data Structures, Managing Diverse Teams, Software Tools and Techniques, Software Engineering, Deep Learning, Operating Systems, SQL Databases, Intro to Machine Learning

PROFESSIONAL EXPERIENCE

Software Development Engineer – Strategy Companion, Irvine, CA

December 2016 – Present

- 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.

Software Engineering Intern – LNS Integration, Kuala Lumpur, Malaysia

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.
- Manually clean 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.
- Attended sales calls and trainings with executive leadership, acquiring foundational knowledge in leadership, sales, and KPI-driven marketing.

Software Engineering Intern (Database) – Teradata, San Diego, CA

June 2018 – September 2018

- Implemented several parts of a CLI to view database progress statistics and locks statistics using C++ so clients could better track the progress 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 (Data Stream Architecture) team.
- Leveraged semaphores and resource locks in Teradata's massively parallel architecture to effectively pull statistics from migrations.

Software Engineer – Egge Inc, San Diego, CA

April 2018 – July 2018

- Drove application design and mentored a developer, resulting in a real-time event-meeting app.
- Implemented Map/Home/Social Network screens in React Native and handled logic for multiple concurrent location-sharing devices in Node.js backend.
- Utilized Firebase NoSQL for data storage, enabling efficient event planning for users via Google Maps Geolocation API.

PROJECT EXPERIENCE

- **First Place – OC Hacks 2015 – Organize Me:** 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.
- **Category First Place – LA Hacks 2017 – Kinect Coach:** Implemented an app that scored body form of athletes using Azure's machine learning platform for three different sports.
- **Hack MIT 2019 – ParkMe:** Wrote React Native frontend for a mobile app and made API calls to different flask API endpoints to send a video frame and perform image classification in order to detect vacant parking spaces while in motion.

LANGUAGES AND TECHNOLOGIES

- **Programming Languages:** Python, JavaScript, C++, HTML/CSS
- **Databases:** MongoDB, AWS DynamoDB, Firebase, SQLite, Microsoft SQL Server, MySQL
- **Technologies:** AWS, Azure, React, React Native, Firebase, node.js, Git, Jenkins CI/CD, Android Studio, Docker, Express.js
- **Other:** Photoshop, PyTorch, JIRA, Confluence, Agile/Scrum