

# Alexander Ramirez

Location: Commerce, CA

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## SKILLS

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**Programming Languages:** Python, Flask, Java, C, C++, JavaScript, TypeScript, ReactJS, HTML/CSS

**Soft Skills:** Software Development, Adaptability, Teamwork, Collaborating, Interpersonal Communication Skills

**Tools & Technologies:** AWS, GCP, Azure, Heroku, Git, GitHub, Visual Studio Code, JIRA, Eclipse, Linux

## PROJECT EXPERIENCE

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### TrackWatch

<https://trackwatch-prod.herokuapp.com>

*Personal Flask/Python Full Stack Project*

**February 2022 – Current**

- Developed **RESTful APIs** to handle **CRUD** operations which enables users to submit and alter their Overwatch match details.
- Designed scalable webpages using **JavaScript**, **HTML**, and **CSS** so users can view their match statistics on any device with ease.
- Implemented a Friends system by using a symmetrical **Many-to-Many relationship** with the Users table in **MySQL**. Users can then tag their friends in any Overwatch match details they submit.

### Handraze

<https://github.com/ganbaKotori/handraze-web-app>

*Senior Software Engineering Project*

**August 2019 to May 2020**

- Led team of programmers by documenting daily reports and scheduling tasks. As a result, I gained **project management** experience and provided a clear goal of what was to be achieved.
- Maintained a collaborative environment within the team by teaching each member about **git** and **GitHub**. We were then able to create our own branches and work at our own pace.
- Practiced **software engineering** skills by writing reports overseeing **design specification**, **test cases**, and **prototypes**. As a result, the final software build was easier to develop because we could refer to our documents.

## WORK EXPERIENCE

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### Griley Airfreight

Los Angeles, CA

*Web Developer*

**April 2021 to April 2022**

- Organized legacy invoice data with **Python classes** and padded missing data using **NumPy**. As a result, invoices were easier to read and new features could be implemented efficiently.
- Upgraded company's backend tech stack by writing **Python** code that replicates the business logic of the old server and persisting data to a **MySQL** server. This improvement helped improve efficiency, data integrity, and customer satisfaction.
- Developed a customer invoice emailing system by using **SendGrid**, **PDFKit**, and the **command design pattern**. The result was an automatic batch process that could send over 1000 invoices in a few minutes.

### LinQuest

El Segundo, CA

*Web Development Intern*

**June to August 2019**

- Collaborated with my team on a professional level by attending **daily standups** and **sprint meetings**. These meetings helped us resolve issues efficiently and in a timely matter.
- Developed a **Sprint Burndown Chart** by using the line chart renderer from the **FusionCharts** library. This new chart made my team's Kanban page more UI friendly and replaced the outdated XSLT 1.0 chart.
- Redesigned **SharePoint** webpart displaying urgent tasks by reverse engineering the **XSLT 1.0** code and writing a new webpart using **HTML** and **jQuery**. The result was a cleaner UI that fetched data from a new API.

## EDUCATION

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### Bachelor of Science, Computer Science

Long Beach, CA

*California State University, Long Beach*

**August 2017 to May 2020**

**Relevant Coursework:** Data Structures and Algorithms, Oriented Application Development (Java), Database Fundamentals, Software Design and Architecture, Probability and Statistics with Applications to Computing