

# Adrien Chaussabel

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## Education

**California Polytechnic State University**, San Luis Obispo, CA

Bachelor of Science Degree in Software Engineering, June 2021

**Cumulative GPA:** 3.84 / 4.00

**Relevant Coursework:** Algorithms, Data Structures, Object Oriented Programming, Computer Organization, Systems Programming, Digital Design, Database Modeling, Design and Implementation, Intro to Data Science, Knowledge Discovery from Data (Data Mining), Programming Languages

## Skills & Interests

**Programming Languages:** Python, JavaScript, Java, C, C#, SQL, TypeScript, Racket, Swift, VHDL, Assembly

**Data Science:** Pandas, NumPy, Scikit-Learn, Jupyter Notebooks

**Web Development:** Node.js, Express, React, Angular, Heroku

**Other Technologies:** TravisCI, Microsoft Azure, Azure DevOps, Microsoft PowerApps, Postman, Linux, Bash

**Personal Interests:** eSports, Swimming, Running, Music, Video Games, Computers, Keyboards

## Work Experience

**Microsoft – Software Engineer Intern**

June 2020 – Present

Redmond, WA

- Implementing caching for Microsoft Graph Toolkit, an open-source web component library connected to the Microsoft Graph ([aka.ms/mgt](https://aka.ms/mgt))
- Caching managed by IndexedDB to store Microsoft Graph API calls locally to reduce loading times
- Cache options allow developers to enable/disable specific object stores and change object expiration time

**Chevron Corporation – Software Engineer Intern**

June – September 2019

San Ramon, CA

- Developed verbose exception handling for APIs with multiple endpoints to increase transparency in testing & debugging
- Created an Azure alert system that monitors APIs for failed requests and automatically sends emails if exceptions are detected within a given timeframe
- Wrote REST API wrappers for four SOAP Oracle Primavera APIs to be used by internal teams

## Projects

**Personal Website – [achausa.com](https://achausa.com) (WIP)**

July 2020 – Present

- Creating a static website to present personal information, project portfolio, and work experience
- Front end components are written from scratch using Angular and hosted in Firebase

**Cal Poly Club Sports Digital Hub**

January – June 2020

- Designed and developed an Express + React webapp to provide Cal Poly club athletes, coaches, and supporters with a one-stop destination for all things Club Sports
- Data was stored in a MySQL database hosted remotely through Google Cloud Platform
- Unit tests were run using Jest and acceptance tests were created using Cypress with the Cucumber (Gherkin) plugin
- Leveraged CI/CD pipeline with TravisCI and Heroku for efficient deployment

**Reddit Comment Analysis & Machine Learning Classifier**

March 2020

- Collected and cleaned 7.6+ million Reddit comments from 13 subreddits
- Analyzed text features of all comments and similarities & differences in words/n-grams between the subreddits
- Used K-Nearest Neighbors and Random Forest with hyperparameter in multiple scenarios to classify the origin of a comment based on text alone
- All work was done using Jupyter Notebooks and leveraging Pandas, NumPy, and Scikit-Learn Python packages

## Involvement

**Cal Poly Swim Club Board Member: Facilities and Operations Coordinator**

December 2018 – Present

- Collaborate with other officers to manage a Cal Poly ASI Club Sport of over 100 members
- Organize and facilitate meet and travel logistics; submit and organize paperwork for on and off campus events