

# SAM VEDERNIKOFF

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## EDUCATION

**University of California, San Diego** 2015 – 2019  
Candidate for a Bachelors of Science in Math with a specialization in Computer Science

## EXPERIENCE

**Achieve Internet** July '19 – August '19  
Software Engineering Intern

- Built custom modules in PHP and integrated them into a Drupal 8 website
- Created a Developer Portal connected to Apigee and implemented a hook to modify the User Interface for the Apigee Edge product selector
- Developed a reverse API proxy for an OpenAPI 3.0 validator and used OAuth 2.0 to secure the requests

**Occuspace** June '18 – October '18  
Full Stack Web Development Intern

- Created a website in React and NodeJS that remotely manages over 200 Raspberry Pi devices with an authenticated login
- Developed a way to detect which devices are collecting data and designed a system to capture the logs and store them for individual and group testing
- Built an automatic email system that retrieves data from Amazon RDS, generates the emails and the detailed reports using Python and ChartJS, and sends emails to our clients

**John Stewart Company** June '16 – September '16  
Administrative Assistant

- Indexed invoices into the new company accounting software
- Audited checks and invoices to verify non fraudulent behavior
- Taught coworkers how to effectively use the new accounting software for categorizing invoices and alerting clients

## LANGUAGES & TECHNOLOGIES

ReactJS • NodeJS • ExpressJS • Drupal • Python • Java • PHP • C • C++ • SQL • JavaScript • HTML • CSS • Docker

## PROJECTS

**Ride+** July '19

- Developed a ReactJS web app that provides a ridesharing platform for UCSD students where drivers and passengers post when and where they want to share a ride
- Designed a database schema in Google Firebase that stores tickets that users post to either find passengers or a driver to their desired location
- Incorporated a filter that displays tickets based on the location, time, seats and price.

**App Sync** June '18

- Developed an android app that reads the notifications on the phone's status bar and pushes the notifications to Google Firebase
- Designed the database on Google Firebase that stores the notifications from the phone
- Built a Chrome Extension that creates a tab for the notification on the laptop whenever a notification is pushed to Google Firebase

**Property Database** June '17

- Developed a GUI in Java for an accounting firm that allows the user to import an Excel file into the editable database
- Created a method of sorting the data based on accountants, property management companies, etc. which facilitates the process for reassigning work to employees
- Incorporated a way to edit and save the changes in the sorted lists within the GUI and export the file into an Excel file