

Adrian Darian

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EXPERIENCE

ROCHE TISSUE DIAGNOSTICS | SOFTWARE IMAGING INTERN

May 2019 – August 2019 | Santa Clara, CA

- Developed and deployed several web applications for digital pathology; built in **Angular 8** with the **Redux pattern**.
- Configured a network of **logging solutions and performance monitors** for various applications and micro services, as well as multiple servers using ELK Stack; **Elasticsearch, Logstash and Kibana**.
- Worked in an **Agile** environment using the **SCRUM** methodologies to collaborate with imaging scientists, pathologists, and software engineers to build a whole slide image viewer and a detailed monitoring system.

CATCARD | FULL STACK DEVELOPER

May 2018 – Present | Merced, CA

- Implementing scalable and shared **build, test and deployment** automation systems.
- Designed an intuitive layout with **Vue.js** and **Node.js** for **realtime data visualization** of events, vendors, facilities and departments with **MapBox**.
- Optimized the **compile time** from **20 seconds to 4 seconds** for all services.
- Improved the **run time** for the departments main application from **5 minutes to 3 minutes**.
- Converting **synchronous PHP** to **asynchronous Node.js**.
- Increased **user retention** by **23%**, by enhancing the users' experience and expanding the functionality of the organization's applications.

HACKMERCED | EXECUTIVE DIRECTOR

March 2017 – Present | Merced, CA

- Constructed HackMerced's official websites from scratch using primarily **React.js**: **HackMerced**, **HackMerced V**, **HackMerced IV** and **HackMerced III**.
- Deployed custom **DigitalOcean droplets** to house all HackMerced related applications, multiple **Heroku pipelines**, and image hosting with **AWS S3** buckets with build tests through **CircleCI**.
- Hosted **600 participants** from around the world and facilitated **30+** project submissions.

OZONE | SOFTWARE ENGINEER

January 2018 - February 2019 | Merced, CA

- Visualized **2,000+ data sets** from facilities databases using **Mapbox** and **D3.js**.
- Deployed a **Progressive Web Application** on **DigitalOcean** with the **MySQL, Express, React.js, Node.js** Stack.
- Established a sustainability awareness platform used by **1,000+** students and **4** departments at UC Merced.

MACES, NASA | WEB DEVELOPER

December 2016 – February 2018 | Merced, CA

- Designed MACES main site, the director's personal site and the stem resource center's site with a custom **jQuery** and **JSON CMS**.
- Studied, reevaluated, and reformed the **User Interface** and **User Experience** for all sites.
- Increased site activity by **72%** by expanding upon the site's functionality.

GitHub: /adriandarian

LinkedIn: /in/adriandarian

Devpost: /adarian

StackOverflow: /users/9647369/adarian

EDUCATION

University of California, Merced

Bachelor of Science in Computer Science and Engineering

COURSEWORK

Algorithm Design and Analysis

Computer Graphics

Database Systems and Implementations

Object Oriented Programming

Operating Systems

Robotic Operating Systems (ROS)

Spatial Analysis

SKILLS

Languages:

JavaScript • TypeScript • Python

C/C++ • PHP • Java • C# • Go

Frameworks:

Angular • React.js • Node.js

Vue.js • Flutter • Django

Databases:

MySQL • MongoDB • OracleDB

Firebase • PostgreSQL • DynamoDB

Services:

DigitalOcean • AWS • GCP

ELK • ArcGIS • Unity

AWARDS

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|--------------------|-----------------------------|
| Impact Awards 2019 | Campus Technology |
| UC Merced 2019 | Innovation Award |
| DPHackathon 2019 | 3 rd Place |
| UC Merced 2019 | Program of the Year |
| NACCU 2019 | Innovative Technology Award |
| SLO Hacks 2019 | Best GCP Hacks |
| ValleyHacks 2019 | 1 st Place |
| SacHacks 2019 | 2 nd Place |
| | Best DigitalOcean Hack |
| SDHacks 2018 | 3 rd Place |
| CITRIS MAC | DoD Track SPAWAR |
| Innovate to Grow | \$2,000 Finalist Prize |
| Hack Fresno 2018 | Finals Qualifier |
| Citrus Hacks 2018 | Best Hardware Hack |
| HackDavis 2018 | 3 rd Place |
| HackMerced 2017 | \$1,000 Entrepreneurship |
| BSA | Best Environmental Hack |
| | Best In Design |
| | Eagle Scout |