

MATTHEW NIEVA

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EDUCATION

University of California, Los Angeles

Expected Graduation: June 2024

- **Major:** B.S. in Computer Science & Engineering
- **GPA:** 3.97, Engineering Dean's Honors List (2020-2021)

EXPERIENCE

Internet of Things Software Engineering Intern | Miravel

June 2021 - Present

- Established continuous streaming, processing, validation of telemetry data to the cloud for an IoT smart garden system with OCI Engineers (*ThingsBoard, OCI, Apache Kafka*)
- Configured System-on-Chip web-server to establish local WiFi connection and GPIO pin control with our hardware and mobile client (*Websockets, WiFi AP, ESP-32*)
- Built out user authentication, database integration, and hardware integration REST APIs to connect the mobile client with the IoT infrastructure (*React Native, REST APIs*)

Dev Team Training Director & Developer | ACM Teach LA

August 2020 - Present

- Training a subset of a 50+ member dev-team in web and project development
- Lead developer of a team of 4 creating a website about bias within machine learning, implementing core functionality and reviewing others' code (*React, HTML/CSS/JS*)
- Configured an NLP model on server-less architecture and implemented visualization of data trends using the model's output (*AWS Lambda, Python, Docker, Gensim NLP*)

Full Stack App Developer of Be Heard | XHacks 2021

August 2021

- Developed a global news platform as a team of 4 centered on activism and social issues
- Developed REST APIs to curate personalized news feeds and summarize text via an NLP model, and connected them to our front-end app (*Flask, React Native, PyTorch*)
- Utilized cloud services to secure user authentication, store data, deploy our backend servers, and set-up a CI/CD pipeline (*AWS, MongoDB Atlas, JWT Auth*)

CTO and Full Stack App Developer | Innovate@UCLA

April 2021 - June 2021

- Lead developer of a team of 8 that created a pedestrian routing-app
- Harnessed public and crowdsourced data to provide safe walking routes within a city and aggregated user data (*React Native, Firebase, GCP, Express, GoogleMaps API, ArcGIS*)

SKILLSET

- **Languages & Frameworks:** JavaScript, TypeScript, C++, Python, Git, Node, React, React Native, Express, Flask
- **Services & Tools:** AWS, GCP, OCI, ThingsBoard, MongoDB, Firebase, Apache Kafka, Github Actions, Linux, Bash

AWARDS

- **Startup Track Winner** at XHacks 2021 (of 102 projects) **August 2021**
- **Winner** of Innovate@UCLA Young Tech Professional (of 4 teams) **June 2021**
- **Best Network Hack** at LA Hacks 2021 (of 135 projects) **March 2021**
- **Best Software Component** at MakeHarvard 2021 (of 51 projects) **January 2021**