

Carlos Benavides

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Work Experience

WorkMarket, an ADP Company

May 2019 - Aug 2019

Software Engineer Intern

Manhattan, NY

- Helped create a new microservice that will charge extra fees to an order placed, using Java, Spring, and Kafka.
- Connected proprietary microservices to asynchronously communicate with the new microservice, using the observer design pattern.
- Developed unit tests, written in Groovy, Spock.

META+LAB

July 2018 - May 2019

Back End Developer

Northridge, CA

Project: OPGalpha

Web application that serves as a tow management system to track tow and driver status in real time.

- Leveraged knowledge in Event Sourcing, and Domain Driven Design to maintain system architecture.
- Applied code modifications for enhancements to meet the client's requirements, written in PHP, Laravel.

Project: CalStatePays.org

Web application that displays financial and industry information based on a degree and CSU.

- Normalized over 60 thousand industrial records by co-creating a python script using the library Pandas, resulting in a 5x speed improvement to seed the database.
- Re-factored the database design and improved query efficiency with eager loading.
- Developed REST APIs, unit and integration tests, written in PHP, Laravel.

Projects

Senior Design Project, Autonomous UAV

In a group of seven members, currently developing an autonomous Unmanned Air Vehicle.

- Integrated a scrum environment, and aided in the planning of software, and research tasks.

LA Hacks, Scraps.ml

At a hackathon, In a group of five members, created a pollution heat map with the use of Google's Map and Cloud Vision API.

- Used Python, Flask to handle upload, and validate photo uploads to determine if the heat map should be updated in real time.

Reminders

Mobile application that allows users to write tasks and select a time to be reminded.

Currently in development using React-Native and Django. Available for download in the play store.

CodeChat

Chat room web application, built with React, and firebase.

Education

California State University, Northridge

Cumulative GPA: 3.26

Major: Computer Engineering

Expected Graduation in Spring, 2020

Technical Skills

Programming Languages:	Java, Python, JavaScript, PHP
Frameworks/Libraries:	Laravel, Spring, Pandas, Vue.js, React, React-Native
Development:	Agile/Scrum, JIRA, Git, Docker, Unit Testing

Activities

Association for Computing Machinery (ACM) – Member

January 2019 – Present

Society of Hispanic Professional Engineers (SHPE) – Member

January 2019 – Present