

Mark Renzo Manuel Santiago

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GitHub: github.com/zzmarkzz321

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SKILLS

Frontend: HTML, XML, CSS, JavaScript

Version Control: GIT

Frameworks/Libraries: Flask, React, Redux, Semantic-UI, AngularJS

Deployment: Nginx, Jenkins, Digital Ocean

Backend: C++, Python, Java, NodeJS

Databases: MongoDB, MySQL

EDUCATION

University of California, Merced

B.S Computer Science and Engineering: Graduation: Fall 2017

Relevant Coursework: Algorithm Design and Analysis, Databases, Data Structures, Object Oriented Programming, Operating Systems, Computer Networks and Security, Introduction to Artificial Intelligence, Discrete Mathematics, Software Engineering

EXPERIENCE

Software Engineering, Intern

SAP | Palo Alto, California

May 2017 – Present

- Created new RESTful APIs with JavaScript to replace hard coded components with dynamic services for their search module
- Refactored the search module to allow different applications to utilize a centralized search service via AMQP messages
- Improved data indexing time from 3 minutes to nearly a second by replacing their messaging protocol from HTTP to AMQP
- Learned Dependency Injection through developing new modules for their application

Full Stack Developer

CITRIS and the Banatao Institute | University of California, Merced

April 2016 – August 2017

- Utilized Drupal to build and maintain multiple websites associated with CITRIS
- Architected PHP scripts to perform automated tasks such as filtering and updating information
- Participated in weekly meetings to report updates on requested features and status of development process

QA Engineer, Intern

8x8 Inc. | San Jose, California

May 2015 – August 2015

- Designed and developed the test automation framework used to locate issues and shorten manual testing time
- Performed automated and manual tests with a team of two against regression issues and bug fixes
- Created documentation on utilizing the framework and steps to performing proper manual testing

PROJECTS

CypherHub (Python/Flask/MongoDB/Semantic-UI)

June 2017

- RESTful web application that assists dance competitions manage bracketing and participant admissions
- Deployed the web service on a Digital Ocean instance using Nginx
- Worked with a small team of 6 to deliver CypherHub to multiple dance competitions for alpha testing

HackMerced: 2017f (Node.js/JavaScript/React/Redux)

September 2017

- Contributed to an open source repository and assisted in the development of the HackMerced website
- Utilized JavaScript, React, and Redux to create a volunteer signup application for this year's Hackathon

CALHACKS4.0: Pun-tionary (Python/Flask/MongoDB)

October 2017

- RESTful web application that returns a pun based on the context of the sentence
- Leveraged Google's NLP API to identify the most meaningful word in a sentence

ACTIVITIES

HackMerced | Director of Engineering

May 2017 - Present

- Coordinated between other directors to ensure each department of the organization is running smoothly
- Lead a team of 19 Software Engineers and 3 Product Managers to build open source software for the organization
- Mentored the engineering department and provided a positive atmosphere for each team

Association for Computing Machinery | Event Coordinator

August 2014 – May 2015

- Scheduled events by creating a budget plan and itinerary of the event with a team of 5 members
- Reserved rooms and handled funding requests for all events and meetings