

NORMAN MACH | Full-Stack Development

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EXPERIENCE

Management Information Systems Student Association

August 2019 – Present

Client-Side Developer

- Reduce costs by designing a static website with Gatsby React and hosting it on AWS's S3.
- Display images on webpage by exporting objects that contain a GraphQL query, and styling with CSS Modules.
- Design webpage structures by using layout components to organize and call objects storing webpage sections.

Chief Information Officer

March 2019 – Present

- Keep students and club members informed by announcing club meetings and events through Slack and email.
- Prepare club members for professionalism by operating workshops that develop business and technical skills.
- Mentor club members by scheduling regular meetings to provide guidance in creating and reaching goals.

Sentiment Analysis Research

August 2019 – Present

Back End Scripter / Undergraduate Research Assistant, Cal Poly Pomona

- Determine the sentiment value of Yelp reviews by using Python to run an algorithm that processes texts.
- Prepare excel dataset for processing by using Python to organize cell values and filter out blank cells.
- Discover the words used most by using Python to find the frequency of each word in the dataset.

Secure Block Technologies Inc.

Los Angeles, CA / June 2019 – August 2019

Blockchain Developer Intern

- Deployed a blockchain network with 3 interns to host multiple peer nodes by using AWS Managed Blockchain.
- Built a Hyperledger network to host a blockchain application by using command line in a local Ubuntu instance.
- Tested the synchronization of peer nodes by updating a node's database and checking values of other nodes.

IT Competition - Application Development, 2nd Place

February 2019 – March 2019

Server-Side Developer : <http://medicalstophlight.com/> : [code link](#)

- Coordinated with the database designer to build the backend with PHP and MySQL.
- Implemented functions to display comment's accuracy in color code by using PHP to manipulate CSS.
- Published the website by deploying it onto an AWS EC2 instance and integrating it with AWS RDS.

EDUCATION

California State Polytechnic University, Pomona

Expected Graduation: May 2020

B.S. Computer Information Systems, Applications Development

APPLICATION DEVELOPMENT TOOLS

- HTML to structure web pages
- CSS to design web pages
- JavaScript to create website user interactions
- React-Gatsby to implement add-ons functions
- Python to automate simple repeatable tasks.
- PHP to build back end functions of websites
- MySQL to interact applications with database.
- AWS to host websites