Aliff Macapinlac
Software Developer

Offering experience in customizing solutions with services offered in the full stack web development space, from ideation, testing, to production.

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EDUCATION

B.S. Data Science
UC San Diego

08/2016 - Present

Courses

- Advanced Data Structures and Object Oriented Design: C, C++, Java
- Data Analytics at Scale
- Interaction Design
- Data Management
- Human/Computer Interaction Programming
- Algorithm Design
- Data Mining/Machine Learning
- Data Visualization
- Linux, shell scripting

WORK EXPERIENCE

Teaching Assistant
Trilogy Education Services

11/2019 - Present

Curriculum Taught

- Web Development: HTML, CSS, Javascript, jQuery, Handlebars, Reactjs, Nodejs, Express, MySQL, Mongodb, git, basic computer science
- Data Analytics and Visualization: VBA, Python, D3js, SQL, Charting, Statistics, Data Cleaning and Mining

Javascript Developer
LabFocus

09/2017 - 01/2020

Software is PaaS called SmartLabFlow, which is software to optimize the flow of commercial testing labs, from admin through operations

Work/Achievements

- With a team, built a fully functional API with 99.999% uptime. Integrated digital ocean API to allow creating instances on demand through an Angularjs built frontend.
- Created test suite with protractorjs following a provided acceptance criteria

UG Researcher
UC San Diego Design Lab

09/2016 - 09/2017

Work/Achievements

- Worked on managing Interaction Design course offered on Coursera by UCSD Professor Scott Klemmer. My responsibilities included the set up of google ad words to explore advantages offered in increasing number of impressions and click throughs. Other responsibilities included managing and creating content of Coursera course and responding to the needs of students taking the course online.
- Worked on crowdsourcing web app to engage 'citizen scientist' to contribute knowledge to the understanding of our gut microbiome

SKILLS

`Java` `Javascript` `Nodejs` `PHP` `C` `Linux` `Vagrant` `Reactjs` `Python` `SQL` `NoSQL` `banking` `customer service` `machine learning` `MS Suite`

PERSONAL PROJECTS

Creative Blue Media ⧉
- Software Services and Content Management

Truth on Inequality
- A critical analysis on today's state of equity in America

Airbnb price predictor
- Uses NLP and clustering in modeling algorithm

ORGANIZATIONS

UC San Diego Frequency - Acapella
(09/2018 - Present)

INTERESTS

`Composing Music` `Coding` `Reading` `Figuring out how things work` `stocks`