

John Pham

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Experience

UC Riverside - Full Stack Web Developer Mar./2016 - Present

- Launching over 15 websites/web apps for departments and research groups using Vue/React/Gatsby/Drupal
- Created a web app for art curators to catalog paintings using Caffe and Vue.js

Supplemental Instructor of Computer Science Apr./2017 - Mar./2018

- Taught discussion and lab sections to reinforce course material for C++ I/II, Data Structures, and Computer Architecture
- Authored new course material to incorporate new C++ standards (tutorials, labs, demos)
- Created a web app to track student attendance replacing old pen and paper process using Vue.js and Firebase

AT&T - Data Scientist Intern June/2018 - Sept./2018

- Created models for reducing customer churn, improving video processing microservices, and improving user experience across apps based on KPIs using scikit-learn and Tensorflow
- Analyzed and processed raw data using Hive, creating visualizations using D3, and creating analytic tools for executives and operations staff using Python and Tableau
- Created an API to fetch app performance data to be used by support staff allowing them to pinpoint performance issues during a support call using Node

The Aerospace Corporation - Software Engineering Intern June/2017 - Feb./2018

- Designed a closed-loop control system to detect and act upon failed 3D prints using OpenCV and a Raspberry Pi
- Developed a web app for strategic planning across departments based on resources committed using Vue.js
- Created a new front-end with optimized payloads and responsive design for internal project proposal app using React.js
- Created a web app to help ground agents plan counter UAS missions using Vue.js

NASA Jet Propulsion Laboratory - Software Engineering Intern June/2016 - Nov./2016

- Created a VR program and web app to visualize, query, and interact with Earth satellite data using Unity and Flask
- Developed a program to query and construct 3D volumetric models from satellite data using Blender
- Program is now in use at 2 NASA centers: the Jet Propulsion Laboratory and Goddard Space Flight Center
- Presented project at the NASA's AIRS conference and a poster at the American Geophysical Union conference

Community Building

Clarifai - Community Champion Aug./2018 - Present

Rose Hack (Hackathon) - Lead Developer July/2018 - Present

GitHub - Campus Expert Dec./2017 - Present

Citrus Hack (Hackathon) - Director Oct./2016 - Oct./2017

Hackathons

BioHack 2018 · 1st Place May/2018

Goldman Sachs & PennApps · 10th Place & Best Data Visualization Prize Sept./2017

Education

University of California, Riverside Sept./2015 - Present

B.S. Computer Science 2019

GPA: 3.9/4.0

Key Courses: Senior Design in Databases, Machine Learning, System Administration, Information Security, Operating Systems, Networks

Skills

Programming Languages	Javascript, Python, C++
Technologies/Frameworks	Git, React.js, Vue.js, Pandas, scikit-learn, TensorFlow, Gatsby.js, Node.js, GraphQL, SQL, MongoDB, Docker, AWS
Software	Blender, Fusion 360, Photoshop, Premiere, After Effects, Figma, Tableau