

JOHN PHAM

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Education

University of California Riverside

Bachelor of Science Computer Science 2019

Overall GPA: 3.6/4.0

Courses: Design & Architecture of Computer Systems (MIPS), Embedded Systems (C/Verilog), Operating Systems (x86), Information Retrieval, Data Mining and Machine Learning, System Administration

Skills

PROGRAMMING: C++, Python, Javascript, Git, HTML, CSS, SQL, Vue.js, Unit Testing, Containers, GraphQL, React.js

OTHER: Blender, Fusion 360, Adobe Photoshop, LaTeX, Additive Manufacturing, User Experience, Figma, Sketch, Adobe Premier, Adobe After Effects

Experience

Bourns College of Engineering at UC Riverside

Student Web Developer

Mar/2016 - Current

- Working on migration from an old CMS to Drupal 8
- Created an internal data management system for research groups
- Created static websites for departments and research groups

UC Riverside

Supplemental Instructor of Computer Science

Apr/2017 - Mar/2018

- Taught discussion and lab sections to reinforce course material for Intro to C++ I/II, Intro to Data Structures, and Intro to Computer Architecture
- Authored new material to incorporate new C++ standards
- Created a web app for student attendance which replaced the old pen and paper solution

The Aerospace Corporation

Software Engineering Intern

Jun/2017 - Feb/2018

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

NASA Jet Propulsion Laboratory

Software Engineering Intern

Jun/2016 - Nov/2016

- Worked on a VR program to visualize global satellite data
- Created an interactive web app allowing users to query, view, and interact with satellite data
- Developed a program to query and construct 3D volumetric models from satellite data
- 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

Awards

BCOE Faculty and Staff Scholarship - Bourns College of Engineering

May/2018

- Awarded for the strongest combination of academic performance and preparation for the engineering profession in and beyond the classroom

Jeremy Chan Scholarship - Theta Tau Foundation

Jul/2017

- Awarded for an exemplary academic record and extensive level of involvement in local leadership

Academic Team Captain Scholarship - Theta Tau Foundation

Mar/2017

- Awarded for excellence in academics and making positive contributions to my community

Community Building

Beyond Conference - Founder and Organizer

Apr/2018 - Current

GitHub - Campus Expert

Dec/2017 - Current

Association for Computing Machinery - President

May/2017 - May/2018

Citrus Hack (Hackathon) - Director

Oct/2016 - Oct/2017

Selected Hackathons

Best .Tech Project - HackUCI 2018

Feb/2018

Top 10 (out of 160) & Best Data Visualization Prize - PennApps 2017 and Goldman Sachs

Sep/2017

Best User Experience Prize - BCG Digital Venture's Dappathon

Aug/2017

2nd Place - AT&T Shape Hackathon 2016

Aug/2016

Best Use of Algorithmia Prize - HackPoly 2016

Feb/2016