

JOHN PHAM

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SPECIAL SKILLS

PROGRAMMING: C++, Python, React.js, Javascript

OTHER: Blender, EagleCAD, Solidworks, Adobe Creative Suite, Latex

JOB HISTORY

- NASA Jet Propulsion Laboratory, *Software Engineering Academic Hire*** Sep/2016 to Nov/2016
- Developed a web-based query system for the Atmospheric Infrared Sounder satellite using Pomegranate
 - Enables analysts to access specified data fields without the need to depickle across versions
- Big Data Engineer Summer Hire** May/2016 to Aug/2016
- Developed a program which uses data from the AQUA satellite to construct 3D models of volumetric clouds, carbon dioxide distributions, and retrieval comparisons
 - Program is now in use at 2 NASA centers: the Jet Propulsion Laboratory and the Goddard Space Flight Center
- Amazon, *User Experience Summer Hire*** May/2015 to Sep/2015
- Conducted A/B testing for different layouts in the iOS app
 - Created a layout which cut idle time from 5.8 seconds to 2.7 seconds

ACTIVITIES

- Association of Computing Machinery at UCR, *President*** Apr/2017 to Current
- Leading UCR's only computer science organization with over 100 members
 - Develop community outreach programs to increase participation in computer science
- Citrus Hack Hackathon, *Director*** Mar/2016 to Current
- Incorporated Citrus Hack as a 501(c)(3) public benefit corporation
 - **2016:** Communicated with corporate sponsors to secure \$15,000 in funding for a 450 person hackathon
 - www.citrushack.com
- University Innovation Fellows at Stanford University, *Leadership Council Member*** Jul/2016 to Current
- Developing a 8-week event called the Inventathon which focuses on getting UC Riverside students to work on projects to solve real-world problems
 - Collaborating with NASA's Jet Propulsion Laboratory and Riverside's Sustainability Office to develop challenges for participants to tackle
 - www.thetatauucr.github.io/inventathon

AWARDS/PUBLICATIONS/PRESENTATIONS

- Academic Team Captain Scholarship, *Theta Tau Foundation*** Mar/2017
- 1 of 8 recipients of the Theta Tau Foundation's AA scholarship. Recognized for my excellence in academics and making positive contributions to my community.
- NASA Sounder Science Team Meeting, *NASA Sounder Science Team - Evan Manning¹, John Pham²*** Sep/2016
- Presented my 3D visualization program to scientists at NASA JPL and NASA Goddard which is currently being used for scientific research
- Visualization and Analysis of AIRS Data in 3D and Virtual Reality, *American Geophysical Union - Evan Manning¹, John Pham¹*** Aug/2016
- Presented at AGU on the benefits of using 3D over 2D visualizations of Earth science data by showing comparisons between different retrieval versions of the AIRS instrument on the AQUA satellite
- Chancellor's Scholarship & Dean's List, *University of California, Riverside*** Jun/2016
- Granted for achieving a GPA of 4.0
- Best Web App, *Beach Hacks Hackathon*** Apr/2016
- Awarded for creating the a MVP web app which speeds up the signing in process from 10 to 2 minutes using MEAN stack and responsive design
 - SignMeIn.online
- Best use of Algorithmia & Product Marketing, *HackPoly Hackathon*** Feb/2016
- Awarded for creating a IoT doorbell using Algorithmia's machine vision, Esri's GIS, and Clarifai's object detection to detect and notify the user of who is at the door
 - www.youtube.com/watch?v=J76CDNTJBc4

EDUCATION

University of California Riverside

Bachelor of Science Computer Science 2019