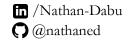
# Nathan Dabu



#### **EDUCATION**

University of Central Florida - Orlando, FL

Started Fall 2016

Bachelor of Science in Computer Science UCF GPA: 3.925

Expected Graduation: May 2019

#### TECHNICAL COMPETENCIES

- Experience with **C**, **Java**, **JavaScript**, Haskell, HTML, CSS, MIPS/Assembly, PHP, and Python
- Familiar with jQuery, Angular, React, Redux, Node.js, and Coffeescript
- Experience with LAMP & MEAN server setups on a VPS
- Strong Adobe Photoshop, InDesign, and Illustrator experience
- Familiar with GitHub (@nathaned), GitLab, DigitalOcean, AWS, Bing Ads, Google Analytics, and Docker

### **WORK EXPERIENCE**

# UCF Center for Distributed Learning

Orlando, FL

# Techranger – Part-time Web Developer

April 2017 – Present

- Developed a tool to collect, organize, and analyze notification preferences of the 200,000+ accounts on the university's course management system (Python, Flask, SQLAlchemy, SQLite)
- Contributed to an open-source Python API for Canvas (the university's course management system)
- Developed tests and refinements for the university's online learning widgets/modules (Angular, Coffeescript, Node.js, Docker, Jasmine, Karma, Gulp)
- Collaborated with team members to create a 3D VR hospital simulation web app, which is used in College of Nursing classes at the university (React, Redux, AFrame/three.js, Blender, Docker, Node.js, npm)

Varsity Tutors Orlando, FL

*Online tutor* primarily in AP Physics and Calculus 4.9+/5.0 Average Client Rating January 2017 – Present

### **COURSEWORK EXPERIENCE**

- Undergraduate Teaching Assistant (TA) for Computer Science I Responsible for helping grade exams and assisting students in office hours
- Relevant Courses: Artificial Intelligence, Object Oriented Programming, Computer Architecture, Systems Software, Computer Science I & II, Security in Computing, Programming Languages I

## PERSONAL PROJECTS

- Developed a website that amassed 16,000 visitors from 80 countries in 4 days (via Google Analytics); traffic driven by Bing Ads with SEO; PHP backend (Glype); deployed via DigitalOcean
- Contributed to an open source Chrome extension
- Built a quadcopter: soldering experience; understanding of radio technologies, PID controlling and programming

### **CAMPUS INVOLVEMENT**

Collegiate Cyber Defense Club @ UCF (Hack@UCF), Member

Fall 2016 - Present

• Introduction to CTFs, including exposure to: Wireshark, file forensics, encryption and decryption

Burnett Honors College, Member

Fall 2016 – Present