



# Nathan Dabu

 /Nathan-Dabu  
 @nathaned

## 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