

# Zane Hooper

904-885-0401

516 NW 34<sup>th</sup> St, Gainesville, FL, 32607

zanehoop@gmail.com

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## EDUCATION

**Bachelor of Science in Computer Engineering** – University of Florida, GPA 3.16 **May 2016**  
**International Baccalaureate** – Allen D. Nease High School **May 2012**

## AWARDS

**HHMI Science for Life** – Intramural Undergraduate Research Award **May 2013**  
**Golden Key Membership** – International Honor Society **May 2013**

## SOFTWARE SKILLS

- Web Development: PHP/WordPress, Python, MySQL, HTML/CSS, Javascript
- Server Administration: Unix/Bash, C++, Apache/Nginx, Debian/Ubuntu
- Utilities: Photoshop (Certified), GIMP, GitHub

## RESEARCH

**Genetic Trends in Bioinformatics** – C++, Statistics **May 2013 – Jan 2014**  
**Deep Neural Networks** – Scala, Machine Learning **Nov 2012 – Apr 2013**

## INTERNSHIPS

**Central Coast Processing** – Software Engineer Intern **Jun 2014 – Aug 2014**

- Developed a Python API to query a hotel reservation service and replace raw credit card data with secure tokens.
- Created a payment interface to be used by central coast customers for accepting credit card payments online.

**Grooveshark** – Quality Assurance Development Intern **Jun 2013 – Aug 2013**

- Designed and developed experimental tools and additions to the Grooveshark platform written in PHP, HTML, CSS, and jQuery.
- Helped with server administration for local Unix development servers.

**University of Florida Relations** (socialmedia.ufl.edu) – Web Development Intern **Aug 2012 – Dec 2012**

- Developed a universal social media crawler that scanned UF media accounts from YouTube, Facebook, Instagram, and Twitter.
- Created a page for any screen size that displayed the recent posts from each social media account in one unique format.
- Handled server administration of files and MySQL databases during multiple server moves.

## PROJECTS

**Study Social** (studyledge.com) **Nov 2013 – Present**

- Developed product tour websites and APIs for studyledge.com, tutormatchingservice.com, and ginsystem.com.
- Used PHP/WordPress, Python, MySQL, HTML, CSS, and Javascript
- Created an OpsWorks GitHub project for deploying WordPress on Amazon's AWS servers using S3 for serving static assets

**Facebook Photo Personalizer** (zanehooper.com/fbphoto) **Nov 2012 – Dec 2012**

- Created a tool that lets users connect their Facebook account and easily add a small thumbnail image to their profile photo.
- Facilitated usage by allowing a user to share a link so any other Facebook user could easily add the same thumbnail.

**Cherokee Multi-Agency Narcotics Squad** (cmans.org) **Jan 2011 – Nov 2011**

- Developed a secure prescription fraud management system for CMANS using PHP, MySQL, HTML, CSS, and Javascript.
- Enabled law enforcement officers in Georgia to communicate with local pharmacists and doctors to impede prescription fraud

**GameVue** (gamevue.net) **Feb 2011 – Aug 2012**

- Developed GameVue.net using PHP, MySQL, HTML, CSS, AJAX, jQuery and Javascript.
- Handled server administration using C++, Bash, Nginx, and Apache.
- Performed statistical analysis on large MySQL servers.

**End of Reality Game Servers** (eoreality.net) **Aug 2009 – Jan 2012**

- Developed and contributed to the design of numerous versions of eoreality.net's website using PHP, MySQL HTML, CSS, AJAX, jQuery, and Javascript.
- Used Bash to manage Apache web servers and various game servers.
- Developed bracket software that was used by gaming tournaments for advanced bracket viewing and management.