

Zachary Steer

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EDUCATION

Texas A&M University, College Station, Texas

Aug 2014 – May 2019

B.S. Computer Science, Minor Cybersecurity, Anticipated Graduation: May 2019

Major GPA: 4.0 / 4.0; Cumulative GPA: 3.814 / 4.0;

Coursework: Competitive Programming, Programming Languages, Computer Organization, Data Structures and Algorithms, Discrete Structures, Linear Algebra, Differential Equations

TECHNICAL SKILLS

Languages: C++, Python, C, Java, Bash, JavaScript, Haskell, SQL, x86-64, HTML, CSS, VBA

Frameworks/Tools: Gdb, Qt, FLTK, Tornado, jQuery, Peewee, TkInter, Git, CvsLines, Wireshark

EXPERIENCE

Northrop Grumman

Summer 2018

Software Engineer Intern – Data Displays

- Maintained U.S. Secret security clearance via work on the B2-Bomber
- Enhanced the Bomber's software displays system using C in an Agile environment

Cisco Systems

Summer 2017

Software Engineer Intern – Wireless

- Awarded 1st overall in summer intern stretch-project competition
- Contributed to effort for real time detection of encrypted malware traffic without decryption
- Leveraged vSphere, Cisco IOS, and Wireshark to edit, filter, and verify network traffic

Texas A&M Computer Science Department

Jan 2017 – Present

Peer Teacher – Data Structures and Algorithms

- Assisted students with debugging, understanding concepts such as OOP, Big-O analysis
- Held 8 to 10 lab, office, and review hours a week to supplement lecture learning
- Taught students tools such as gdb, git, shell scripting

L-3 Technologies

Jun 2016 – Jan 2017

Software Engineer Co-Op – Ground Operator Workstation Apps

- Developed a data management tool from design to complete customer demo
- Improved other solutions with C++, Java, Qt, VBA, Bash, and CVS
- Analyzed and detected security vulnerabilities in third-party and company software packages
- Received U.S. Secret security clearance to perform work

PROJECTS

InternCorner – social media webapp for Cisco interns (Python, Ajax, jQuery, Peewee)

<https://tinyurl.com/interncorner>

- Placed 1st overall in intern stretch-project competition 2017
- Interns post, like, and comment their experience, giving HR more extensive feedback than exit surveys
- Project exceeded expectations and was pitched to multiple management branches for business deployment

SocialEyes – social media visualization tool (Python, Tornado, JavaScript)

<https://social-eyes.herokuapp.com>

- Combined Google Maps, Twitter, and Facebook APIs to visualize social media content
- Users visualize their timeline and search queries geographically instead of via plaintext

INVOLVEMENT

Aggie Coding Club

Jan 2016 – Present

Website Development Team

- Created organization website with team of 10 developers using HTML, CSS, Bootstrap, PHP, git
- Designed contact page and wrote emailer script using PHP to enable contact form submissions

Sigma Chi Fraternity, Eta Upsilon Chapter

Oct 2014 – Present

Recruitment Chairman

- Recruited one of the largest classes in Eta Upsilon chapter history
- Budgeted \$20,000 with four other chairmen to ensure the success of multiple events