Thomas Ring

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EDUCATION AND HONORS

DePauw University   Expected 2018
- B.A. Expected in May 2018, Double Major in Computer Science and Musical Arts
- Computer Science GPA: 3.36 | Musical Arts GPA: 3.05 | Cumulative GPA: 3.11
- Relevent Course Work: Computer Science I, Data Structures, Computer Systems, Object Oriented Software Development, Foundations of Computation, Writing in Computer Science, Compilers, Programming Lanuages, Theory of Computation, Computational Discrete Mathematics, Stats for Professionals, Calculus I, Calculus II
- Information Technology Associates Program (ITAP) Advanced Engagement Member

COMPUTING EXPERIENCE

DePauw Janet Prindle Institute for Ethics Software Team   October 2015 - Present
iOS Software Development Intern   *Greencastle, Indiana*
- Designed a server stack to leverage Firebase and Google Calendar for software to track student attendance to ethics department events and reward high participating students which improved ease of use and garnered wider adoption of the mobile app.
- Developed an open-source framework for the Wordpress API on iOS.
- Programmed a native iOS app for the Prindle Post, the ethics institute newsletter, which increased newsletter traffic.

Mobile Developers of DePauw University   Spring 2015
President   *Greencastle, Indiana*
- Coordinated member education in iOS, Android and Microsoft programming technologies.
- Provided iOS Programming instruction for new users.

TECHNOLOGY SKILLS

Languages: Experienced with Objective-C, and Swift. Additional experience in Java, Python, Ruby, C, C++, Javascript, and HTML/CSS

Operating Systems: macOS, Windows, Ubuntu, iOS

Tools/Environments: Xcode, CocoaPods, Git, Bash, Homebrew, Emacs

SOFTWARE DEVELOPMENT PROJECTS

Socratweet   Fall 2015
Developed a minimal iOS application using the TwitterKit framework and the RedditKit framework to pull posts from reddit and present them so they can be reposted to the user's Twitter account to sound smart.

YASL Compiler   Fall 2016
Researched and implemented a compiler for YASL (Yet Another Simple Language) for DePauw University's Compilers (CSC426) course, programmed in Rust over the Fall 2016 semester.

SocialMeter   Fall 2017 - Current
A Python program to use machine learning and natural language processing to do real-time automated sentiment analysis of tweets using the TwitterStream API. In progress for Computer Science Senior Seminar.