

Cell (317) 519 – 3967
Email will.tyler11@gmail.com
Updated October 13th, 2019

Will Tyler

GitHub willtyler98
LinkedIn in/willtyler98
Website willtyler98.github.io

Objective

To apply education, skills, and experiences in a summer internship to make a significant difference in a company as well as computer science and software development.

Education

Purdue University	Majors	Computer Science Mathematics	Tracks	Security Systems Programming	GPA	3.90	Aug 2017 – May 2021
-------------------	--------	---------------------------------	--------	---------------------------------	-----	------	------------------------

Experience

Lab Lead at Purdue	Directed a lab section during the Bridge program. Delivered daily presentations and teaching assistance. Mentored 44 incoming first-year students on success at Purdue.	July 2019 – Aug 2019
Software Engineering Intern at Springbuk	Utilized Ruby on Rails to create and execute database migrations, introduced a new API version with updated endpoints, and improved routing and organization. Implemented backend logic in multiple projects to support development of an in-house ETL and data warehousing solution. Introduced and documented multiple enhanced debugging tools. Architected and implemented multiple user-facing, frontend improvements.	May 2019 – July 2019
Curriculum Developer at Purdue	Designed new and challenging handouts and labs for next year's generation of Computer Science students. Developed with Java, on subjects related to object-oriented programming.	Sep 2018 – Dec 2018
Teaching Assistant at Purdue	Mentored and guided over 30 incoming first-year students with no programming experience throughout the Bridge Program as a former student. Resolved questions in labs, supported transition to college, and delivered several presentations on Java topics and object-oriented programming.	July 2018 – Aug 2018

Projects

Kleene	Architected and developed an iOS application to enable the transfer of songs, albums, playlists, or entire libraries among music services including Apple Music, Deezer, and Spotify. Built with UIKit, Swift, and without Storyboards. Accessible on GitHub.	Sep 2018 – Dec 2018
Emoji Detector	Built an iMessage app that analyzes the user's facial features to predict Emojis that best fit his or her expression. Used a Core ML model, Swift, and Xcode. Open-source and built without Storyboard files.	June 2018
GroupMac	Created a GroupMe desktop client for macOS. Users can view conversations, like/unlike messages, and send messages in an app with a similar look and feel to GroupMe. Utilized the AppKit framework, Swift, and Xcode. Available on GitHub.	July 2018
Swell	Constructed a shell with Swift. Implemented command-with-arguments, pipes, directory change, input redirection, interrupt handling, and exit and source commands. Source code accessible on GitHub with 27 stars.	May 2018

Involvement

Purdue iOS Development Club	Serving as a member since April 2018. Developed a dark mode theme and fixed bugs on the Purdue App that is used by thousands of students.
--------------------------------	---

Skills

Languages	Swift, Java, Ruby, C, C++, Typescript, HTML, CSS
Tools	Git, GitHub, Bash, Vim, Angular 6.0, JetBrains IDEs, Xcode, VS Code, LaTeX
Strengths	Problem Solving, Analytical Thinking, Communication, Abstraction, Teamwork