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Will Tyler

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Objective

To use education, skills, and experiences in a summer internship in order to make a significant difference in a company and the fields of computer science and software development.

Education

Purdue University	Major	Computer Science	Tracks	Software Engineering	Aug 2017 – May 2021
	Minor	Mathematics		Machine Intelligence	
		Entrepreneurship Certificate	GPA	3.96	

Projects

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, available on the App Store, and built entirely 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. Open-source and built without Storyboard files.	July 2018
Mission Control	Constructed a personal, customized homepage with quick access to the web using Angular CLI to produce static web files that serve locally. Implemented a pop-up form to add new links and a Firebase real-time database. Source code accessible on GitHub.	May 2018
Essentials	Generated a Swift library to implement many of the common, useful language features not available in Swift, such as increment operators and a wrapper for randomization functions.	Aug 2018

Experience

Purdue Computer Science — Curriculum Developer	
Designing new and challenging content, labs, and activities for next year's generation of Computer Science students. Developing with Java, on subjects related to object-oriented programming.	Sep 2018
Purdue Computer Science — Teaching Assistant	
Mentored and guided over 30 incoming freshmen with no programming experience throughout the Bridge Program (previously a student). Resolved questions in labs, supported adaptation to college life, and delivered several presentations on Java topics and object-oriented programming.	July 2018 – Aug 2018

Involvement

Purdue iOS Development Club	Serving as a member since April 2018 and created strategies to increase member retainment.
Hello World Mentor	Mentored freshmen with little experience at Purdue's freshmen-only hackathon in topics such as Mobile Development, Firebase, API usage, and Front-end Web Development for 25 hours.
CS Women's Network	Serving as a member since Aug 2018 to support and encourage women in Computer Science.

Skills

Languages	Swift, Java, C, Typescript, HTML, CSS
Tools	Git, GitHub, Bash, Vim, Angular CLI, Jetbrains IDEs, Xcode, VS Code, GDB, LaTeX
Strengths	Problem Solving, Analytical Thinking, Communication, Abstraction, Teamwork

Coursework

Complete	Current
CS 180 — OOP in Java	CS 250 — Computer Architecture
CS 182 — Discrete Math and Applications	CS 251 — Algorithms and Data Structures
CS 240 — Programming in C	ENTR 200 — Entrepreneurship and Innovation
MA 162 — Calculus II	MA 261 — Calculus III