

# SAMANTHA COE

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## EDUCATION

**Purdue University**, West Lafayette, IN

May 2021

Bachelor of Science in Computer Science

Minor in French, Mathematics

**Awards:** Boeing Computer Science Scholarship, Dean's List

## SKILLS

**Proficient:** Java, C, C++, French, Albanian

**Familiar:** Swift, JavaScript, HTML, CSS, Python

## EXPERIENCE

**TechPoint**, Indianapolis, IN

May 2018-June 2018

*Xtern Bootcamp Participant*

- Participated in a 3-week intensive training course, hosted by TechPoint, focused on developing the skills and competencies needed for internships in tech
- Developed full-stack skills in web development by working with HTML, CSS, JavaScript, and React
- Used Firebase to create databases to host user data and allow user authorization

**Memorial Sloan Kettering Cancer Center**, New York, NY

June 2017-August

2017

*Intern for Radiochemistry & Molecular Imaging Probing*

- Performed quality control tests for various radiopharmaceuticals in order to ensure their purity by following written Standard Operating Procedures
- Collected research data and analyzed the specific radiopharmaceutical Carbon-11 Choline for research presentation

## PROJECTS

**Pic! a Puppy (GUS)**, Personal Project

June 2018

- iOS app written in **Swift** that displays random images of puppies and allows the user to save their favorite photos
- Created back-end functions that allowed data to be sent between multiple ViewControllers
- Enhanced full-stack skills by designing app interface and logo

**NoteHerder**

June 2018

- Website developed with **React** frameworks and written in **JavaScript** that allows users to write and store notes online
- Implemented back-end features with Firebase to allow user authorization and save their notes to the database

**SPARK!**, Group Project

April 2018

- iOS app written in **Swift** that tests the user's ability to memorize a sequence of colors with increasing difficulty
- Collaborated and led two other teammates to design game flow and debug issues
- Developed key back-end features such as saving and updating the user's high score and generating new games

## INVOLVEMENT

**USB Help Room**, Academic Tutor

August 2018-Present

- Instructed and mentored students in understanding and completing course work for courses in Java and C

**Purdue University**, Undergraduate Teaching Assistant

January 2019-Present

- **CS240:** Guide students in understanding programming in C and efficiently debugging their code with various debugging tools

**Mentors for Aspiring Girls in Computer Science (MAGIC)**, Student Mentor

August 2018-Present

- Mentor to younger students in both high school and middle school to assist with learning coding skills
- Promote the representation of girls in the computer science field by recruiting female students to join coding organizations

**Mini Make**, Board Member

August 2018-Present