

Collin Kelly

706-969-2895 • Atlanta, Georgia • cmk@gatech.edu

<https://www.linkedin.com/in/collin-kelly/>

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, Georgia

Bachelor of Science in Computational Media, College of Computing (Media & Interaction Design)

May 2025

Minor in Japanese, Ivan Allen School of Modern Languages

- Zell Miller Tuition Scholarship every semester
- Major GPA: 4.00
- Eagle Scout

TECHNICAL SKILLS

Software Experience: Microsoft, Google, and Adobe Suite, Git, Figma, IntelliJ, IDLE, VS Code, Docker Desktop

Programming Experience: Python, Java, C, HTML/CSS, JavaScript

Coursework: OOP, Data Structures, System Architecture, Agile Development

PROJECTS

Rules of Inference Auto-Generator/Grader

January 2023- Present

- Working with Georgia Tech Instructor Ronnie Howard to implement a website to dynamically generate rules of inference problems for students to solve. Cooperating with a team of five peers to organize code architecture, choosing a tech stack, creating a working auto-generating algorithm, and developing a working front-end for efficient user-interaction. Used Figma to create a hi-fidelity prototype of the project, and expected to fully implement this product by December 2023

Gameboy Advance Side-Scrolling Platformer

January 2023- May 2023

- Developed code in C using VSCode and Docker Desktop to create a complete product able to run on a Nintendo Gameboy Advance. Implemented movement, collision, intuitive controls, original art, and multiple challenging levels

Android Studios Pac Man Application

August 2022- December 2022

- Worked with four other students to implement a version of the Pac Man game for Android phones to develop an application, as tested code on Android phones. Integrated unified process artifacts and models to organize code for objects and design course

EXPERIENCE

COLLEGE OF COMPUTING - CS 1301

Atlanta, Georgia

Undergraduate Teaching Assistant

August 2023 - Present

- Overseeing 600+ students in the course Intro to Computing, working under instructors Dr. Melinda McDaniel and Dr. Rodrigo Borela. The course involves an introduction to the Python language, the foundations of coding, implementing APIs, Intro to Object-Oriented Programming in Python, File I/O, and data structures
- Working in a team with other TAs to create and test homework, exams, practice problems, moderating and responding to questions on Ed Discussion, and holding office hours to serve as resources to the students currently enrolled in the course

GEORGIA TECH OFFICE OF SUMMER AND SPECIAL SESSION INITIATIVES

Atlanta, Georgia

Student Intern

February 2022 – August 2023

- Used holistic data to find ways to quantify the impact of summer at Georgia Tech to best serve our first-year student program (iGniTe) for 500+ incoming students. Found innovative ways to leverage the summer months to enhance the student experience such as brainstorming and implementing enriching off-campus events to acclimate students to Atlanta, partnered with the Georgia Tech Housing, Buzzcard, and Academic offices to ensure student services were accommodated, and managed Social Media (@gtsummersession) for 1,200+ followers to communicate information effectively
- Assisted students in their journey towards degree completion as a GT1000 and GT2000 Undergraduate Team Leader for both incoming freshmen and transfer students, led in-class lectures and activities, guided students' transition to Georgia Tech
- Represented the iGniTe program serving on the Undergraduate Student Advisory Board reporting directly under the Vice Provost for Undergraduate Education for two consecutive terms and created a relationship between the student services of the Summer Sessions and the Georgia Tech community

LANGUAGE FOR BUSINESS AND TECHNOLOGY – JAPAN

Beppu, Japan

Study Abroad

May 2023 – July 2023

- Studied at Ritsumeikan Asia Pacific University for a ten-week, intensive study abroad program led by Georgia Tech professors. Improved by 40 percent on the TTBJ exam compared to the start of the program. Took courses in Business Japanese, Scientific and Technical Japanese, and Japan Today. Increased Japanese proficiency to roughly N3 level