

Kimberly Gao

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EDUCATION

Carnegie Mellon University – Pittsburgh, PA

May 2024

Bachelor of Science, Information Systems

- Additional Major in Human-Computer Interaction, Minor in Computer Science
- **Related Coursework:** Designing Human-Centered Software, Database Design and Development, Interaction Design Studio, Programmable User Interfaces, Application Design and Development, User-Centered Research and Evaluation, Introduction to Computer Systems, Principles of Functional Programming, Human AI Interaction, Mobile Application Development

EXPERIENCE

Juni Learning – Remote

Computer Science Instructor

Aug 2020 – Aug 2022

- Taught programming fundamentals in Python and Java through hour-long individual lessons of 6+ students per week
- Delivered customized project-based curriculum for developing problem-solving and critical thinking skills

Capital One – New York, NY

Software Engineering Intern

Jun 2022 – Aug 2022

- Created a full stack bot data dashboard for automating bot performance statistics processing and analysis
- Designed and developed an AuroraDB with MySQL and front-end UI for storing and displaying bot log statistics

CMU Information Systems – Pittsburgh, PA

Undergraduate Teaching Assistant, Information Systems Milieux

Jan 2021 – May 2021

- Prepared and provided feedback on introductory Information Systems course for 10 hours per week
- Hosted weekly office hours to answer student questions on case analysis, programming assignments, and lab work

CMU Human Computer Interaction Institute – Pittsburgh, PA

Application Developer/Undergraduate Researcher

Sep 2021 – Dec 2021

- Implemented Firebase and back-end framework for Negotiation Toolkit application aimed towards empowering women
- Collaborated with team members to develop content, prototype, and design user experiences for 6+ hours per week

Capital One – Richmond, VA

Software Engineering Intern

Jun 2021 – Aug 2021

- Converted 2 microservice APIs into serverless technology stacks on the virtual card number orchestration layer team
- Reworked 2 endpoints into new Python code with appropriate logging, unit testing, and integration testing
- Designed and deployed new DynamoDB tables for CC Swap API in AWS and local dynamo through CloudFormation

Kode With Klossy – Houston, Texas

Program Facilitator

Dec 2020 – Mar 2021

- Launched 2-month computer science pilot program for 20 underrepresented female students in the Houston area
- Facilitated weekly club meetings and bi-weekly office hours to teach software engineering and coding principles

Instructor Assistant

Apr 2020 – Aug 2020

- Lead cohorts of 30 scholars in 2-week web development programs with daily lesson delivery and classroom management
- Oversaw collaborative final projects with planning and development resulting in 10 deployed web applications

Wix Playground Academy – New York City, NY

Front-End Web Development Intern

Jun 2020 – Jul 2020

- Developed websites for 3 NYC non-profits and business affected by COVID-19 to amplify online presence
- Advised and work alongside designers to implement various web and mobile behaviours for seamless customer use

ADDITIONAL

Technical Skills: Python, C/C++, Java, JavaScript, HTML/CSS, SQL, Ruby, AWS, Splunk, Figma, Adobe CC

Awards: CMU 2020 Grace Hopper Scholarship Recipient, 2019-2020 Senior Outstanding Leader