Catherine Chu

Athens, GA | catherinechu.cc@gmail.com | (334) 296 1699 | LinkedIn | Portfolio

EDUCATION

University of Georgia | School of Computing   Athens, GA
Bachelor of Science in Computer Science | GPA: 3.92   *May 2025*

- **Awards/Honors:** Presidential Scholar, Zell Miller Scholarship, The Kittle Computer Science Scholarship
- **Relevant Coursework:** Algorithms, Data Structures, Software Development, Systems Programming, Theory of Computing, Advanced Web Development, Native App Development, Differential Equations

SKILLS

Programming Languages: Java, R, Python, C HTML, CSS, JavaScript
Tools: Linux, Unix, JSON, APIs, Figma, React.js, Canva, Git, Microsoft Office | **Languages:** English, Korean
Certificates: New Media Certificate *(In Progress),* MakerBot Replicator+FDM 3D Printers

PROFESSIONAL EXPERIENCE

Reference Student Assistant | McBay Science Library   *Jan 2023 - Present*
Athens, GA

- Applies strong research and organizational skills to effectively assist library patrons in locating specific reference materials and provide support.
- Offers friendly and helpful assistance, promptly addressing inquiries and providing guidance on library resources to ensure a positive experience for patrons.

AgBiotech Group Intern | University of Georgia   *Jun 2023 - Jul 2023*
Athens, GA

- Demonstrated proficiency in data processing, visualization, and statistical programming, leveraging R and Python in NIFA-funded research to analyze and interpret agricultural data.
- Utilized machine learning algorithms on state-wide weather data interpolation for agriculture applications.
- Engaged in regular meetings to discuss ongoing objectives and receive feedback on performance, while also assuming responsibility for staying updated on dataset modifications and making necessary adjustments to maintain the accuracy of the project's results.

Team Member | Chick-fil-A   *May 2022 - Aug 2022*
Kennesaw, GA

- Provided strong teamwork and communication skills while collaborating with team members to deliver efficient service.

PROJECTS

TrashTalk | *UGA Hackathon 8*   *Feb 2023*
Javascript, CSS, HTML

- Developed an application that leverages barcode information to identify various materials, focusing on delivering a user-friendly experience through UI/UX design.
- Utilized OpenFoodFacts and Quaggajs Application Programming Interface (API) that determined product recyclability.

Unix Shell | *Systems Programming*   *Dec 2022*
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- Implemented a Unix shell that demonstrates expertise in advanced concepts such as background/foreground job control, pipelining, and IO redirection
- Leveraged low-level system calls such as fork, pipe, and related functions to ensure optimal functionality.

Gallery | *Software Development*   *Feb 2022*
Java

- Designed a GUI application in Java using JavaFX11 that efficiently utilized JSON (JavaScript Object Notation).
- Programmed a gallery that displays images based on the results of a search query to the iTunes Search Application Programming Interface (API).

LEADERSHIP EXPERIENCE & ACTIVITIES

Corporate Outreach Chair | Girls.Code   *Aug 2023 - Present*
Logistics Organizer | UGAHACKS   *Jun 2023 - Present*
Student Mentor | Asian American Student Association   *Aug 2022 - Present*