Matthew Caballero

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Technical Skills

Programming languages: Python, JavaScript (React.JS, Node.JS), Java, C, HTML, CSS, Assembly, SQL, PostgreSQL
Development and Tools: Linux, Git, Ubuntu, VMware, Vim, Discord API, CTA Train Tracker API, AWS S3
Certifications: AWS Certified Cloud Practitioner

PROJECTS

Mental Health Wellness App | *HTML, CSS, JavaScript, Firebase* | Hackathon Project   Apr 2024
- Created a **dynamic** website to create an online safe space for young people with mood tracking & community forums
- Used **JavaScript** to interact with a **Firebase** backend, adding **user authentication**, mood tracking, and community messaging
- Customized the front end with **HTML & CSS**, hosted on **AWS S3**

32-bit Operating System | *C, Assembly*   Jan - May 2023
- Built using **C** and **Assembly** in VMware running **Linux** and **QEMU emulator**
- Wrote drivers for I/O polling, virtual memory, **FAT16 file system**, and terminal writing
- Added functionality for locating files, reading from files, and using a page frame allocator for memory management

Full Stack Public Restroom Finder App | *React.js, MongoDB, Express, Node.js*   Sept 2023 - Present
- Built a responsive app using **React.js** that lets users view & add information about public restrooms using a live map
- Implemented backend with **MongoDB**, which communicates with front end using **Express** and **Node.js**
- Represented restroom locations using a live **React Leaflet** map which users can edit

Learning Management Site | *Python Django*   Sept 2023 - May 2024
- Developed a responsive learning site to educate about safety and best practices for **AI**
- Deployed Django relational models to generate **SQL** tables for courses, modules, workshops, labs, and assignments
- Utilized **CRUD** operations to allow users to edit relational models, depending on roles from **user authentication**

Android Timer App | *Java*   Sept - Dec 2022
- Developed a timer using **Java**, used various best practices, such as composite, visitor, and state **design patterns**
- Built user interface allowing user to start and reset a countdown

Experience/Activities

Loyola Chicago ITS Service Desk, Chicago - *Technician*   June 2022 - Present
- Managed incoming calls and emails, diagnosed tech issues, and maintained systems
- Oversaw the ticketing system, navigated BI system for user info, and trained 10+ new team members
- Provided support to 30+ customers during shifts at peak hours

Computer Science Tutor, Chicago   August 2024 - Present
- Guided students through one-on-one tutoring in programming languages, algorithms, and other fundamentals
- Assisted students in debugging code, brainstorming solutions, and solving complex problems

Cultural Dance Coordinator, Chicago - *Coordinator*   September 2022 - May 2023
- Led a diverse group of 70+ students while fostering teamwork, discipline, and cultural appreciation
- Encouraged open communication among team members and embraced constructive feedback on the dance

EDUCATION

Loyola University Chicago   Expected Graduation: May 2025
B.S. in *Computer Science*
M.S. in *Computer Science* expected May 2025
GPA: 3.77/4.00
Relevant Coursework: Discrete Structures, Introduction to Object-Oriented Programming, Intermediate Object -Oriented Programming, Introduction to Computer Systems, Data Structures I, Data Structures II, Introduction to Computing Tools, Design and Analysis of Computer Algorithms, Operating Systems, Programming Languages, Machine Learning, Database Administration