Yemi Shin

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EDUCATION

Carleton College   Northfield, MN
Bachelor of Arts in Computer Science   *Class of 2022*

TECHNICAL SKILLS

Languages: Kotlin, Java, Python, Typescript, HTML, CSS
Technologies: Jetpack Compose, Compose Navigation, Kotlin Coroutines, Modern Android Development
Selected Coursework: Algorithms, Software Design, Natural Language Processing, Artificial Intelligence, Data Visualizations, Computer Security, Parallel and Distributed Computing

EXPERIENCE

Microsoft - Loop Android   Mountain View, CA
Software Engineer   *Sep. 2022 – Current*

- Implemented a collapsible workspace navigation UI using Jetpack Compose and integrated deep linking for various user accounts, connecting with platforms like Outlook and SharePoint.
- Developed a user-friendly Notifications Inbox UI and optimized latency by 25% by resolving backend filtering issues.
- Designed and implemented UI for enterprise allowlists to ensure compliance, and integrated loading & error states for clear app communication.
- Improved mobile content consumption with pinch-to-zoom functionality to address key user ask.
- Integrated profile picture functionality, adhearing to best practices to use Kotlin Coroutines and StateFlows for data operations.
- Managed Android builds, dependency management, unit testing, and bridging between C++ and TypeScript, while overseeing release processes and collaborating with partner teams to debug and resolve issues, consistently meeting high-quality deliverables within timelines.

GeoComm   St Cloud, MN
Software Development Intern   *Jun. 2021 – Sep.2021*

- Worked on a Public Safety Location Intelligence application for emergency workers to use GIS data to quickly identify critical sites.
- Utilized AWS SageMaker to train machine learning models aimed at identifying doors on floorplans, crucial for enhancing emergency navigation for firefighters, resulting in a 35% improvement in navigation efficiency.

Michigan State University   Mountain View, CA
Software Developer Intern   *Jun. 2021 – Sep.2021*

- Conducted user testing and improved UX experience on AVIDA-ED, an educational software for teaching evolution via computer simulations including drag-and-drop of organisms and expandable sidebars. Coded using JavaScript, HTML, and CSS.

PROJECTS

Aequitas Web App   Northfield, MN
                                                                                Sep. 2021 – Dec. 2021

- As part of senior capstone project, created the frontend website where users can upload their machine learning models to get a 'fairness' estimate to improve their models.
- Explored the algorithm that detects unfairness and corrects it to improve the models in place.