

# Nessim Yohros

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## EDUCATION

**Washington University in St. Louis, McKelvey School of Engineering** - Cumulative GPA: 3.97

St. Louis, Missouri

Bachelor of Science, Computer Science

May 2027

**Honors/Awards:** Dean's List (All Semesters)

**Relevant Coursework:** Data Structures & Algorithms, Mobile App Development, Intro to Computer Science, Matrix Algebra

## PROFESSIONAL EXPERIENCE

**Mastercard** | *ServiceNow, JavaScript, PowerShell, SQL, Postman*

O'Fallon, Missouri

Full Stack Software Engineering Intern

June 2025 – August 2025

- Integrated 5+ SaaS APIs (Confluence, Remedy, Jira, etc.) into Mastercard's ServiceNow platform, enabling seamless data exchange and centralized access to internal tools
- Co-developed ServiceNow-based Mastercard Workbench, a dashboard that aggregates SaaS notifications and tasks, improving efficiency for 50,000+ users
- Wrote and maintained ServiceNow scripts and workflows to automate access provisioning to software products for employees
- Connected MC Catalog API to ServiceNow through PowerShell scripts for secure communication over a ServiceNow MID server
- Automated ingestion of Excel datasets into ServiceNow tables by developing mapping scripts and SQL transformation rules
- Participated in daily Scrum meetings, coordinating software development and aligning progress within an Agile team

**WashU STEM Association** | *Flutter, Firebase, Riverpod, JavaScript*

St. Louis, Missouri

Software Engineer

August 2024 – Present

- Design and launch cross-platform Flutter app for WashU Chemistry Tournament (WUCT) branch of the WashU STEM Association
- Streamline communication between executive board and 150+ members using Firebase Messaging and iOS notification system
- Enhance event management through customizable profiles using Firestore Database and Riverpod for state management
- Maintain WUCT website codebase with JavaScript, updating event logistics and registration information to serve 500+ weekly users

**CSE 131: Introduction to Computer Science** | *Java, JUnit*

St. Louis, Missouri

Teacher's Assistant

January 2024 – January 2025

- Led weekly studio session groups assisting 100+ students with programming exercises in Java, improving class average by 10%
- Facilitated in answering questions during and after lectures, providing guidelines on assignments and class structure
- Coordinated office hours twice a week providing personalized support on coursework, programming concepts, and practice exams
- Attended training and grading workshops, refining teaching techniques and assessment strategies

## PROJECTS

**Live Lecture Companion** | *Swift, Deepgram, Core Data, Storyboard*

October 2024 – December 2024

- Piloted an iOS lecture assistant app to transcribe and summarize lectures in real time, enabling 75+ users to revisit missed concepts
- Utilized multithreading to send audio to a student-developed LLM for insight extraction without interrupting live audio capture
- Reduced latency by ~25% by implementing batching and audio cleanup, improving live usability for up to 60-minute sessions

**Friends360** | *React, Node.js, Express, MongoDB, WebSocket, React Query*

June 2024 – August 2024

- Created a full-stack web platform for friend group map-tracking, plan making, and instant messaging via Stream API
- Engineered MongoDB to model friend groups, conversations, and user data, supplemented by React Query for client-side caching
- Enabled nearby plan recommendations using Google Places API with real-time location streaming via WebSocket on Google Maps

**OWdle** | *React, Supabase, PostgreSQL, SQL, React Query, Mantine*

May 2024 – June 2024

- Developed an Overwatch-themed game with Supabase authentication to retrieve user stats, history, and rankings
- Implemented a frontend using React to handle Overwatch API requests, form submissions, and UI components from Mantine

## TECHNICAL SKILLS

**Languages:** JavaScript, Java, Dart, Swift, PowerShell, SQL, HTML, CSS

**Frameworks:** React, Flutter, Node.js, Express.js, JUnit

**Developer Tools:** ServiceNow, MongoDB, Firebase, Git, Supabase, PostgreSQL, Postman, Heroku, VS Code, Eclipse,

**Libraries:** React Query, Mongoose, Riverpod, Mantine

**Concepts:** Algorithms, Data Structures, Full-Stack, Multithreading, MVC Architecture, Object-Oriented Programming