

Nickolas Paraskevopoulos

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Education

Virginia Tech | Blacksburg, VA

B.S. in Computer Science • College of Engineering • 3.6 GPA • Dean's List(5x)

August 2021 – May 2025

MEng in Computer Science • College of Engineering

August 2025 – May 2026

Experience

SAIC | Mobile Software Engineer

June 2024 – Present | Alexandria, VA

- Collaborated with **Ora AI, Inc.** to design and develop a cross-platform **Android/iOS** application using **React Native** and **Expo** for tracking and managing daily nutrition
- Integrated an AI-powered chatbot leveraging **LangChain** and **OpenAI** via **Python FastAPI**, automating natural language processing for meal logging, personalized meal recommendations, and fitness advice with native speech-to-text functionality
- Deployed the chatbot using **Docker** and **Google Cloud Run**, ensuring scalable and efficient cloud infrastructure
- Implemented features such as barcode scanning, custom saved meals, and step count integration, utilizing **Supabase** for user data management and authentication
- Added gamification features such as daily streak counts and push notifications to boost user engagement, alongside integrating progress tracking with dynamic visualizations

Pangiam Labs | Software Engineering Intern

May – August 2023 | McLean, VA

- Collaborated with a development team on the "Mobile Enroll" **Android app**, aimed at streamlining US-Canadian border crossings for sports teams by authenticating passports and travel documents
- Utilized **Jetpack Compose**, Android's primary UI toolkit, to create an intuitive user interface in **Kotlin**
- Designed **UI mockups** outlining the visual presentation and different workflows of the app
- Integrated Google's **MLKit Text Recognition library** for Machine Readable Zone scanning, **JMRTD library** for NFC/RFID chip reading, and Pangiam's **Trueface SDK** for one-to-one facial matching, enhancing travel document authentication processes
- Implemented and managed an **SQLite database** through the integration of the **Android Room library**, ensuring efficient data handling and improved app performance

Ascendra | Software Engineering Intern

June – August 2020 | Fairfax, VA

- Developed an NFL Pick'Em **Java application**, aimed at boosting morale within the company through weekly matchups between employees
- Designed an **Entity Relationship Diagram (ERD)** for the application's database, ensuring organized data relations for employees, games, and team winner selections
- Set up a **PostgreSQL database** for the application, prioritizing data integrity and quick query responses
- Integrated the Java application with the database using **JDBC**, allowing for real-time updates and computations
- Implemented a **JSON-based configuration** for the application, enabling the application's adaptability for various sports leagues, including MLB, NHL, and MLS

Technical Projects

Nutrition Database Management System | Django • React.js • PostgreSQL

- Developed a full-stack platform (**Django + React.js**) to manage and analyze nutritional information for on-campus dining facilities, promoting informed dietary decisions and efficient dining hall operations
- Implemented a robust **Django backend** integrated with **PostgreSQL**, featuring token-based authentication and role-based access for students and administrators
- Built custom **Django model managers**, integrated with **BeautifulSoup4**, to parse and scrape dining service webpages and automatically update nutritional data upon triggered scraping events
- Automated periodic data scraping using **Celery**, ensuring up-to-date menu and nutritional information

Relevant Coursework

- Operating Systems (C/Linux/Bash) • Database Management Systems (SQL) • Data Structures and Algorithms(Java) •

Skills

Languages: Java, Python, JavaScript, TypeScript, C, Kotlin, Dart, HTML, CSS, SQL, XML

Libraries: React, NumPy, Pandas, Matplotlib, Scikit-learn

Frameworks/Toolkits: React Native, NextJS, FastAPI, Django, Flask, Flutter, Jetpack Compose, Expo, LangChain

Technologies/Platforms: PostgreSQL, Firebase, MongoDB, Supabase, SQLite, Docker, Celery, Git, Postman, Linux