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EDUCATION

Rutgers University New Brunswick, NJ, September 2021-May 2025

3.85/4 GPA

Bachelor of Science in Computer Science, Bachelors in Korean

Coursework: Data Structures, Linear Algebra, Computer Architecture, Discrete Math, Software Methodology, Design and Analysis of Algorithms, Intro to Data Science, Data Management, Databases, Internet Technology

SKILLS

Programming: Java, Python, C, JavaScript, TypeScript, SQL, HTML, CSS

Technologies: Simplicity Studio, Arduino, PostgreSQL, Django, Salesforce Marketing Cloud, PgAdmin4, Saleae Logic Analyzer, Kubernetes, Docker, Android Studio, Rancher, Pandas, NumPy, Matplotlib, Java Server Pages, Storybook, MySQL, FireZilla

Languages: English, Korean

WORK EXPERIENCE

Rutgers University

New Brunswick, NJ

First-Year Interest Group Seminar Peer Instructor

August 2024-Present

- Lead a seminar course with 25 freshmen focused on “Exploring Computer Science” for 10 weeks meeting once a week in person.
- Develop weekly lesson plans to keep students engaged, facilitate a comfortable learning environment, and give student feedback.
- Facilitate an inclusive classroom environment, encouraging open discussions, peer collaboration, and personalized guidance.

Resident Assistant

August 2023-Present

- Cultivate a supportive and inclusive student community, fostering positive interactions among a diverse population of 60 ethnically diverse undergraduate freshmen and upperclassmen within the residence halls.
- Work on duty 10-15 hours per week and develop engaging monthly programs and activities to promote personal growth and academic success among residents.
- Demonstrate strong problem-solving and conflict resolution skills by serving in an on-call rotation and addressing emergencies and student concerns as they arise.

Nestle Nespresso

New York City, NY

Front End Developer Internship

June 2024-August 2024

- Built and deployed 10 React components in TypeScript for Nespresso’s new [homepage](#) product listing page.
- Increased total codebase commits by 20% and updated codebase documentation on Atlassian confluence to ensure consistency.
- Deployed Storybooks for UI components, wrote test cases using React testing library, and styled components with EmotionCSS..

Colgate-Palmolive

Piscataway, NJ

Full Stack Software Engineer Internship

July 2023-November 2023

- Built a web application using Django that aggregated customer electric toothbrush data from Kolibree for internal reports.
- Managed subscriber based emails in Salesforce Marketing Cloud through automating API calls and testing with Python scripts.

Embedded Systems Developer Internship

January 2023-May 2023

- Designed and developed IoT embedded systems using a Silicon Labs EFR32BG22 MCU wired to a Bosch BME688 sensor.
- Developed C code in Simplicity Studio 5 IDE to configure I2C communication and provide documentation for future use.
- Performed Bluetooth low energy operations with MCU and configured GATT protocols to test sending and receiving data over BLE.

PROJECTS

[Personal Portfolio Website](#) (TypeScript, HTML, CSS)

- Deployed a responsive portfolio React app hosted in Firebase and connected to a custom domain name in Cloudflare.
- Maintained and updated with GitHub with a custom Yaml file to customize the GitHub actions to automate pushes to the live site.
- Showcases responsiveness by reordering and resizing the image cards, showing different flex properties of the text, and being user friendly on all devices.

IOS Augmented Reality Coffee Machine App (Swift)

- Created an IOS app that employs ARKit API to use a device’s camera, detect surroundings, and place a 3D Nespresso machine.
- Implemented features such as plane detection, object scaling, and rotation to allow users to interact with the 3D model.
- Utilized SceneKit for rendering the 3D model, ensuring smooth integration and realistic object behavior within the environment.

[Online Auction System Web Application](#) (Java, HTML, MySQL)

- Designed a relational database system for an online auction app using MySQL, ensuring efficient data management and retrieval.
- Developed a user interface with HTML, Java, and JavaScript, facilitating user registration, login, and dynamic item search.
- Integrated backend connectivity with JDBC which communicated with the app locally using Tomcat.

Pizza Store Android Application (Java, Android Studio)

- Developed an Android pizza ordering app for Pixel 7 with UI elements Toast, AlertDialog, ImageView, Spinner, and ListView.
- Enhanced functionality with 2 Android Activities, using a Singleton design pattern, and JUnit for blackbox testing.
- Customized app with 10 specialty pizza options, current order, store orders, and checkout UIs, and a unique launcher icon.

AWARDS & ACTIVITIES

Taco Bell Summer Conference Leader July 2023, 2024

Rutgers Move In Team Volunteer Summer 2022

Rutgers Honors Program 2022-Present

Rutgers Dean’s List Fall 2021-Present

Rutgers Club Ultimate Frisbee 2021-Present

Taco Bell Live Mas Scholarship Recipient 2021-2024