

## Education

### Lehigh University

Bethlehem, PA

*Bachelor of Science in Integrated Computer Science and Business: GPA 3.42/4.0*

August 2021 – May 2025

**Honors:** Lehigh University Trustees' Scholarship, Lehigh University Hughes Scholarship, CSB Honors Program,

**Dean's List:** Fall 2024, Spring 2024

**Relevant Coursework:** Design and Analysis of Algorithms, Programming Languages, Operating System Design, Web Systems Programming, Computer Organization and Architecture, Software Engineering, Database Systems and Applications.

## Work Experience

### Research and Development Intern – Watgen: Startup Chile, Santiago Chile

June 2024 – August 2024

- Collaborated in a team of 6 to develop solutions to various economic and environmental challenges within Chile, prioritizing powering solutions with carbon-neutral energy generation such as solar panels and wind turbines.
- Designed and presented 3 solution presentations to my supervisor and other Startup Chile CEOs as a preliminary of applying for the CORFO (Corporación de Fomento de la Producción) grant from the Chilean government.

### Peer Notetaker – Lehigh University Disability Support Services, Bethlehem PA

September 2023 – May 2024

- Provided notes that are effective and clear for disabled students that are well organized, understandable, a clear reflection of the information presented, and timely delivered.
- Conducted 150 hours of note-taking services for disabled students, providing student accessibility and inclusivity.

### Kitchen Manager - Chipotle Mexican Grill, Trexlertown PA

December 2018 - January 2023

- Proactively supervised kitchen equipment, ensuring optimal condition, quick malfunction resolutions, and asset protection, while ensuring impeccable food prep, portioning, presentation, and for an enhanced dining experience.
- Successfully trained and led a team of 60 employees to excel in 8 independent food safety audits conducted by Ecolab's Ecosure division, resulting in a consistently high compliance rating of 90% and above.

## Projects

### Neufoods Online Food Pantry App:

February 2024 – December 2024

- Collaborated in a team of 4 to create a version controlled, multi-language, multi-component application designed to reduce food waste by tracking pantry ingredients and recommending recipes catered to college students aged 18-24.
- Restructured webapp into mobile app in preparation for launching to the Apple app store using JavaScript, Jest unit testing, HTML, CSS, MongoDB and Mongoose effectively using the software development lifecycle.

### Operating System Design Programming Project:

August 2024 – December 2024

- Implemented C/C++ code using Docker that interacts directly with the operating system, with different dedicated sub-projects based on ensuring security, concurrency, virtualization, persistence, and resource management.
- Developed a strong understanding of process and thread programming models, management, and scheduling, as well as resource sharing and deadlocks to create a program that effectively addresses these topics.

### Relational Database Manager:

September 2023 – December 2023

- Designed, implemented, and maintained a relational database and associated application using Oracle SQL Developer, java, and JDBC to cater to the needs of a fictional rental-unit management firm.
- Created multiple java interfaces that communicate with Oracle SQL Developer, acting as different roles in regard to the rental-unit management firm, allowing the user to query, manipulate, and view content in the database.

## Leadership / Activities

### Men's Intercollegiate Lehigh Volleyball Squad Executive Board, Lehigh University

President

March 2024 – Present

- Coordinated a 50-person collegiate club volleyball team, by organizing practices, drills, and scrimmages to foster skill development, interpersonal connections, and positive team dynamics.
- Ensured accurate and efficient management of team affairs by effectively organizing and maintaining a 5-figure budget, healthcare documentation, and membership information throughout presidency.

## Skills

**Software/Computer:** Java, C, Git, JavaScript, C++, Bash, HTML, Rust, SQL, Node.js, Python, TypeScript, Apache, ReactJS, Docker.

**Languages:** English (Fluent), Spanish (Intermediate, Oral and Written), Cambodian (Intermediate, Oral)