

# Jason E. Lee

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## EDUCATION

**Lehigh University, P.C. Rossin College of Engineering & Applied Sciences** – Bethlehem, PA August 2018 – May 2022  
Bachelor of Science in Computer Science GPA: 3.71/4.00  
Honors: Dean's List, *Lehigh Review* "Emerging Voices" Essay Selection

Relevant Coursework: Programming and Data Structures, Systems Software, Foundations of Discrete Structures and Algorithms, Computer Organization and Architecture, Intro. to Data Science, Combinatorics and Graph Theory, Software Engineering, Programming Languages, Design & Analysis of Algorithms, Database Systems and Applications, Intro. to Theory of Computation, Web Systems Programming, Operating System Design

## SKILLS

- Programming Languages: JavaScript, Java, Python, HTML, CSS, TypeScript, C/C++, SQL, R, Lua
- Frameworks/Technologies: Git, Docker, Node.js, React.js, Express.js, Unix, MongoDB, OracleDB

## PROJECTS

- "Merck External Data Ingest Portal" - Lehigh University Capstone Project** August 2021 – Present
- Constructing a full-stack Node.js web application with 3 other students for Merck to process external partner data
  - Implementing dynamic mapping functionality to handle multiple input types and formats
  - Building front end components using React.js adhering to planned UI wireframes and connecting them to backend
  - Maintaining product backlog of 100+ tasks, ensuring prioritization and organization is maintained across Agile sprints
- "JobLog" Calendar App - Personal Project** July 2020 – September 2020
- Developed a mobile app to aid in organizing dates & deadlines for job searching using React Native through Expo
  - Implemented auto-updating calendar using various class components
- "Gym Tycoon Simulator" – Personal Project Roblox Studio** May 2017 – June 2017
- Coded in Roblox's object-oriented implementation of Lua to create a gym tycoon/minigame hybrid simulator
  - Amassed 11,000+ plays from other users under Roblox platform

## EXPERIENCE

- Software Engineer Intern** May 2021 – August 2021  
Aptima – Woburn, MA
- Collaborated on a team of 5 developers pushing an "AptiMetrics" effort to advance internal company learning
  - Developed a configurable backend Node.js API scraper to continuously provide company data from Microsoft Graph
  - Implemented authentication with Azure AD's OAuth and functionality for custom transformers and endpoint chaining
  - Used Typescript and Python to implement subscribe/publish bindings for the app per MQTT5 messaging protocol
  - Containerized application with Docker to be deployed in a network of AptiMetrics apps that use the scraped data
- Undergraduate Teaching Assistant (CSE 109 – Systems Software)** August 2020 – December 2020  
Lehigh University – Bethlehem, PA
- Assessed 100+ students' performance in programming assignments, labs, and exams to assist professor
  - Held weekly office hours to assist 5+ students per session in reinforcing course content to students
- Lab Monitor** September 2018 - Present  
Lehigh University – Bethlehem, PA
- Serve as a resource for students who require assistance with lab systems for about 10 hours per week
  - Maintain lab standards by checking for faults on 49 computer systems and report technical issues to IT

## LEADERSHIP

- Founder and President** February 2020 - Present  
Lehigh Tea Club
- Started club with campus club affairs committee dedicated to educating and exploring the cultures and tastes of tea
  - Facilitate weekly executive board meetings to plan out club events and fundraisers
- Secretary** September 2019 – March 2020  
Residence Hall Council
- Served as a resource for 170+ students to voice concerns about building amenities and quality of life
  - Recorded weekly council meeting minutes, organize meeting information, and design event flyers
  - Advertised planned events for residents to enjoy, attracting 20+ residents per event