

William Lee

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[GitHub Profile](#) | [LinkedIn Profile](#)

EDUCATION

Stony Brook University

Bachelor of Science, Computer Science

Dean's List (Except Fall 2023)

Expected Graduation: May 2025

GPA: 3.7

Relevant Coursework

- Computer Networks
- Technical Communication
- Fundamentals of Software Development
- Data Structure
- Analysis of Algorithms
- Finite Mathematical Structures
- Systems Fundamental II
- Programming Abstractions
- Survey of Probability and Statistics

EXPERIENCE

Cirrus Data Solutions Inc., Intern

Jul 2022 – Aug 2022

- Scripted a Python program utilizing CLI and SMTP to periodically email staff about idle AWS and Azure cloud resources
- Deployed programs in Linux environments using Systemd
- Collaborated with the R&D team on troubleshooting existing issues on Lab-as-a-Service project

SKILLS

Languages: Python, Java, C, HTML, CSS, JavaScript

Libraries/Frameworks: React.js, Node.js, Express.js, Flask, Pandas, Matplotlib, Scikit-Learn

Tools/Platforms: Docker, AWS Lambda, AWS DynamoDB, AWS CDK, AWS CloudWatch, Firebase, WireShark, MongoDB, Visual Studio Code, Git, GitHub, MARS, PyCharm, Word, Excel, PowerPoint

PROJECTS

Discord Bot Lambda

Jun 2024 – Jul 2024

- Retrieved and parsed data from Hypixel's Public API to make data more human-readable.
- Built with Flask to create an HTTP server
- Hosted using a Docker container on AWS Lambda, managed with AWS CDK
- Cached data packets into AWS DynamoDB

Fake Stack Overflow

Jan 2023 – May 2023

- Engineered a Full-Stack Web Application based on MVC design pattern
- Developed and stylized front-end UI using React and CSS
- Create backend routes and data schemas with Mongoose and Express
- Secured user accounts and passwords by hashing and salting passwords using bcrypt

Multi-linear-Regression

May 2021 – Jun 2021

- Analyzed housing price dataset using Pandas library for correlation and outliers
- Visualized dataset into heatmaps and scatter matrix with Matplotlib library
- Employed Scikit-Learn Python library to train linear regression model using the dataset

ACTIVITIES

Women in Computer Science at Stony Brook, Member

Sep 2021 – Present

- Participated in the club's Hackathon event, winning a prize category for our project submission
- Assisted in event organization, including setup and cleanup