

Henry Lee

☎ 317-809-5546 | ✉ lee4602@purdue.edu | in linkedin.com/in/lofitea | github.com/LofiTea | lofitea-portfolio.vercel.app

EDUCATION

Purdue University | *West Lafayette, IN*

GPA: 3.51/4.0

Bachelor of Science in Computer Science

August 2023 – Now

Relevant Coursework

- **Completed Coursework:** Problem-Solving and Objected-Oriented Programming, Multivariate Calculus, Foundations of Computer Science, Programming in C, Python Programming, Elementary Linear Algebra
- **Current Coursework:** Computer Architecture, Data Structures and Algorithms

PROJECTS

LofiTea Text Editor | *Personal Project*

July 2024

- Developed a 1,000-line C text editor with features like file I/O, text editing, search, and syntax highlighting
- Enhanced problem-solving skills by identifying and fixing over 20 bugs during development
- Gained practical experience in C programming, handling user input, memory management, and performance optimization
- Organized and completed a complex project in 184 incremental steps

Tickets@Purdue | *CS18000 Project 5*

October 2023 – December 2023

- Constructed a ticket-sharing marketplace where Purdue students can buy and sell tickets to sports games
- Employed IntelliJ with Java to develop features like networking, graphical user interfaces, and concurrency
- Created software to authenticate the user logging into the program and wrote test cases for the project
- Designed the graphical user interface to make it user-friendly for the user to interact with the program

GarlicRide | *2023 Hello World Hackathon*

September 2023

- Developed a ridesharing website that utilized Google Maps API
- Implemented HTML and CSS to develop a front-end web application
- Utilized Bootstrap to structure out the website
- Employed Visual Studio Code and Git to collaborate work with other members in the group

EXPERIENCE

Undergraduate Data Science Researcher

August 2024 – Now

Purdue University: The Data Mine

West Lafayette, IN

- Collaborated with Stratolaunch to find correlations between flight, ground, and simulation data
- Performed linear and non-linear regression techniques for uncertainty quantification within and between data sources
- Facilitated simulations with their open-source dataset Talon-P

J.P. Morgan Software Engineering Virtual Experience

May 2024

Forage

Seoul, South Korea

- Set up a local dev environment by downloading the necessary files, tools, and dependencies
- Utilized PyCharm to build a dashboard to identify under/over-valued stocks
- Fixed broken files in the repository to make web application output correctly
- Used JPMorgan Chase's open source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor

Undergraduate Data Science Researcher

January 2024 – May 2024

Purdue University: The Data Mine

West Lafayette, IN

- Collaborated with Wikimedia Deutschland to find mismatches between Wikimedia and other external sources
- Reported 900+ data mismatches with Python and SPARQL by checking Wikidata's data against external sources
- Utilized RestAPIs to access individual data values to compare different numerical attributes
- Documented disparities between Wikidata and other sources to feed the Wikidata Mismatch Finder

TECHNICAL SKILLS

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

Developer Tools: Git, Visual Studio Code, IntelliJ, Eclipse, NetBeans, React