Eric Jung

ericjung.netlify.app | ericjung1705@gmail.com | 757-777-2033 | https://linkedin.com/in/ericjung04/ | https://github.com/ericjung04

EDUCATION

Virginia Polytechnic Institute and State University **Blacksburg, VA**

Bachelor of Science in Computer Science, Mathematics Minor *Expected Graduation: May 2026*

Dean's List High Honors ***GPA:*** *3.66/4.00*

Relevant Coursework: Data Structures and Algorithms, OOP, Computer Organization, HCI, Discrete Mathematics, Combinatorics

TECHNICAL SKILS AND LANGUAGES

Programming Languages: Java, C, HTML, CSS, JavaScript, React, Python, SwiftUI

Skills/Tools: Microsoft Word, Excel, PowerPoint, Outlook, GitHub, JUnit, Slack, Figma, Miro, Visual Studio, Agile Development

Languages: English, Korean (bilingual)

EXPERIENCE AND LEADERSHIP

BrewSystems LLC **Remote**

Software Engineer Intern *May 2024 – August 2024*

- Worked in an agile environment, integrating Liferay's REST API to efficiently retrieve and display data in a React based front-end, leveraging Avaya-Neo's React Library to create a responsive, user-friendly interface.
- Implemented functionality using Node.js, building two dynamic table components to display retrieved data on the front end
- Utilized JavaScript to create custom API methods, handling the data retrieval, and ensure accurate data flow and integration

Virginia Tech Diggeridoo's **Blacksburg, VA**

Front-End Developer *January 2024 – Present*

- Design team that participates in Elon Musk's tunnel boring competition, building a machine capable of digging 100 feet
- Designing and programming the UI of the of the machine to be used at competition, creating critical control components
- Leveraging skills in React and Figma to design and create the components to be used on the GUI, and future implementations

Institute of Electronics and Electrical Engineers (I.E.E.E.) **Blacksburg, VA**

University Relations Chair *May 2024 – Present*

- Maintaining strategic partnerships with Virginia Tech, arranging GBMs and club events that brought 100+ members
- Organizing events and meetings that bring in an average of 50 students per meeting, increasing overall attendance by 10%
- Communicating with professors to coordinate in-class presentations and recruiting, reaching 500+ potential candidates

Varsity Tutors **Remote**

Tutor *January 2024 – April 2024*

- Tutored students in a remote environment utilizing Varsity Tutors' online video chat tool, providing personalized support
- Helped students achieve measurable academic growth, improving student performance by 10% through tailored instruction
- Utilized targeted teaching strategies and adapted study methods to assist students and improve overall academic performance

PROJECTS

VTHacks 2024 Hackathon Project *PantryPilot* **Blacksburg, VA**

AI-Powered Mobile App – SwiftUI, Azure Custom Vision AI *September 2024*

- App that scans your pantry or fridge, analyzes your ingredients, and displays recipes based on available ingredients
- Trained AI model from Azure Custom Vision with over 500+ data points from a dataset of 350+ images optimizing accuracy and performance
- Developed a responsive app interface with SwiftUI, adding animations and creating layouts to enhance user experience

Rainbow Six Siege Marketplace Price AI Analyzer **Blacksburg, VA**

Dynamic Marketplace AI Price Analysis Tool – Python, Excel, React.JS *October 2024 – Present*

- Developing an AI-driven price analyzer for in-game items in the Rainbow Six Siege Marketplace, designed to generate real-time buy and sell signals based on fluctuating market values
- Automates data collection by scraping item prices from the Marketplace, storing them in a CSV file for further processing and analysis by an AI model to notify optimal buying and selling times
- Enhances data accuracy through outlier detection and statistical preprocessing, enabling accurate item price predictions

GlucaGone Machine Learning Diabetes Predictor **Blacksburg, VA**

Machine-Learning Model – Python, Pandas, Scikit-Learn *November 2024 – Present*

- Model that accurately predicts diabetes trained on a dataset from Kaggle, based on factors like age and blood glucose levels
- Implemented logistic regression, achieving a baseline accuracy and setting up a foundation for further improvement
- Enhancing model performance through data preprocessing and strategic feature selection, optimizing model accuracy