

Eric Jung

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EDUCATION

Virginia Polytechnic Institute and State University

Blacksburg, VA

Bachelor of Science in Computer Science GPA: 3.63

Expected Graduation: May 2026

Minor in Mathematics

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

TECHNICAL SKILLS AND LANGUAGES

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

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

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, using Avaya-Neo's React Library to create a responsive, user-friendly interface, reaching 100+ Liferay users
- 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

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

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 machine to be used at competition, creating 10+ critical control components
- Leveraging skills in React and Figma to design and create the components to be used on the GUI, and future builds

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

AI Rainbow Six Siege Marketplace Price Analyzer

Blacksburg, VA

Dynamic Marketplace AI Price Analysis Tool – JavaScript, MySQL, React.JS

October 2024 – Present

- Developing an AI-driven price analyzer for in-game items in the Rainbow Six Siege Marketplace, designed to send real-time buy and sell messages to its users based on fluctuating market values
- Automates data collection of item prices from the Marketplace, storing them in a MySQL database for further analysis and evaluation by an AI model, to notify optimal buying and selling times based on the current price of the item
- Enhances data accuracy through outlier detection and statistical preprocessing, enabling accurate item price predictions

VTHax 2024 Hackathon Project PantryPilot

Blacksburg, VA

AI-Powered Mobile App – SwiftUI, Azure Custom Vision AI

September 2024

- Developed an iOS App with SwiftUI, utilizing computer vision to scan refrigerator ingredients and generate available recipes
- Trained AI model from Azure Custom Vision with over 500+ data points from a dataset of 350+ images, optimizing accuracy and performance of the model
- Integrated and deployed the backend on Heroku, ensuring interaction between the AI and mobile app for recipe generation

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 model improvement
- Enhancing model performance through data preprocessing and strategic feature selection, optimizing model accuracy