

# Eric Jung

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## 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, Computer Organization, HCI, Discrete Mathematics, Combinatorics

## TECHNICAL SKILLS AND LANGUAGES

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

**Software/Tools:** Microsoft Word, Excel, PowerPoint, Outlook, GitHub, JUnit, Slack, Discord, Figma, Miro, Visual Studio, Eclipse

**Languages:** English, Korean (bilingual)

## EXPERIENCE AND LEADERSHIP

### BrewSystems LLC

Remote

Software Engineer Intern

May 2024 – August 2024

- Integrated 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 and React to develop custom methods for API interaction, enhancing usability and adding features

### 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 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%
- Reached 500+ new students for potential recruitment through campus recruiting fairs and in-class presentations

### 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

### Eddy's Café

Virginia Beach, VA

Manager

June 2017 – June 2022

- Provided high standards of customer service during high volume and fast paced operation, allowing for maximum efficiency
- Built strong customer loyalty by providing consistent, friendly, and timely service, resulting in a positive dining experience
- Demonstrated teamwork, communication, and problem-solving skills to enhance overall customer satisfaction

## 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 more than 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 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