

ERIC YUNG

(314) 348-9041 • eyung@wustl.edu • [linkedin.com/in/eyung](https://www.linkedin.com/in/eyung) • github.com/ericzung1

Education

Washington University in St. Louis

Dec 2024

Bachelor of Science in Computer Science and Economics

St. Louis, MO

- **Relevant Courses:** Data Structures & Algorithms, Machine Learning, Object-Oriented Programming, Analysis of Algorithms, Programming Systems, Cryptography, Calculus I, II, III, Differential Equations, Discrete Mathematics, Linear Algebra, Statistics in R

Technical Skills

- **Languages:** Python, Java, SQL, HTML, CSS, JavaScript
- **Developer Tools:** AWS, Postman, PowerBI, Git, Azure, Docker, Jira, Kubernetes
- **Libraries/Frameworks:** Spring Boot, React, MongoDB, PostgreSQL, NodeJS, ASP.NET Core, RESTful APIs

Work Experience

True Manufacturing | Commercial Goods Manufacturer

Jan 2024 – Jun 2024

Software Developer Co-op

O'Fallon, MO

- Created **10+ SSRS** reports in **Microsoft SQL Server**, tailored to client-specific needs, automating email subscriptions and querying data from **hundreds of JD Edwards** tables, improving operational efficiency for **5+** departments
- Spearheaded the development of an **MVC-based** administrative tool using **C#**, **ASP.NET**, and **Entity Framework Core**, enabling non-technical users to update **SQL tables** autonomously, cutting IT support tickets by **12%**
- Revamped IT **Kanban board UI/UX**, integrating **metadata** tagging, real-time ticket filtering, and overdue task prioritization—reducing backlog resolution time by **20%** and cutting time spent in change meetings by **30%**

Equifax | Leading Credit Bureau

May 2023 – Aug 2023

Backend Engineer Intern

St. Louis, MO

- Developed a **cloud-based** file archiving **microservice**, that securely stores surplus data with **over 10 million rows** of hashed sensitive information into **Google Cloud Buckets**, eliminating **15+** redundant data processing reruns daily
- Enhanced application security by migrating **Spring Boot** configurations from **XML** to **YAML** across multiple projects, then built **JUnit** tests to boost **SonarQube** coverage to **70%**, and reducing vulnerabilities by **20%**
- Automated **cloud resource** provisioning by writing **Terraform** configurations for **Google Cloud Platform (GCP)**, ensuring **Infrastructure as Code (IaC)** best practices, standardizing deployments across all **6** environments

BJC HealthCare | Non-Profit Healthcare Provider

Apr 2022 – Nov 2022

Software Engineer Intern

St. Louis, MO

- Designed a CDC-compliant vaccine **scheduling interface** that streamlined booster eligibility for **1000+** patients, integrated with an **EPIC** scheduling widget for COVID-19 booster appointments, increasing patient retention by **37%**
- Facilitated migration of **50+ containerized services** from **OKD.io** to **Azure Red Hat OpenShift**, cutting infrastructure costs by **15%**, and saving **\$20K+** annually through cloud-native optimizations and automated scaling
- Programmed **backend APIs** to convert HL7 messages into FHIR-compliant **JSON** resources, enabling Electronic Medical Record (EMR) integration with **3+** external lab systems and reducing diagnostic data delivery time

Projects

Finlytics Dashboard | [Source Code](#)

TypeScript | MongoDB | NextJS

- Developed a **full-stack** finance dashboard using the **MERN** stack (MongoDB, Express, React, Node.js), integrating **machine learning** predictions and interactive visualizations (Recharts, Material UI), to forecast revenue trends

WashU Buddy | [Source Code](#)

OpenAI | LangChain | Streamlit

- Engineered an **AI chatbot** used by **100+** WashU students, leveraging **LLMs**, **semantic search**, and a **Pinecone** vector database to query **20+** datasets for academic guidance, with automated **web scraping** for data retrieval

Certifications

- AWS Certified Cloud Practitioner (Nov 2024), IBM Artificial Intelligence Fundamentals (Jun 2024), JP Morgan Software Engineer Virtual Experience Certification (Nov 2022)