Bryan Li

267-632-5492 | bryanli082002@gmail.com | linkedin.com/in/bryanli0820 | https://github.com/Rich-Bryan

EDUCATION

Temple University   Philadelphia, PA
Bachelor of Science in Computer Science   *May 2025*
- **Activities:** President of Temple Trading Tech, Association for Computing Machinery, Google Developer Student Club, Intramural Volleyball Club.
- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Project Management, Computational Methods in Finance, Cloud Computing, Software Design, Quality Assurance.

EXPERIENCE

CVS Health   May 2024 – August 2024
Software Engineer Intern   *New York, NY*
- Developed advanced data validation mechanisms, improving data accuracy by **40%** across all platforms and significantly improving team efficiency and accuracy by **30%**.
- Engineered a seamless data migration pipeline using **Airflow**, ingesting data from 5 disparate on-premises sources into **Google Cloud Platform (GCP).**
- Created **10** optimized views in **BigQuery**, enabling real-time analytics and insights for decision-making.
- Led regular data integrity checks via **Collibra**, resulting in the flawless onboarding of 5 new data sources.

Temple University   August 2023 – Present
Teaching Assistant for Python and C   *Philadelphia, PA*
- Enhancing quiz and exam performance of **70+** students by **15%** through coding review sessions, as measured by class performance on midterm and final exams.
- Providing support to **70+** students with office hours, earning excellent feedback from **90%** assistance with courses and assignments.

Temple University   June 2023 – August 2023
Software Engineer Intern   *Philadelphia, PA*
- Designed a **Python-Flask** web application to collect survey data from **500+** participants.
- Created a lottery allocation system using **JavaScript** in a web survey application, streamlining user choices and allocations across multiple rounds resulting in a **40%** decrease in allocation errors and improved overall user experience.
- Implemented **PostgreSQL** integration to securely store and manage user responses, preferences, and lottery data, resulting in a **50%** reduction in data loss incidents and enhanced data privacy compliance.

PROJECTS

X-Fire | React Native (Expo), JavaScript, AWS Lambda, Twillio API, YoloV9, PyTorch   April 2024 – April 2024
- Designed and developed a fire detection system leveraging **Xfinity Home's camera** technology.
- Led a team of four and pitched to multiple judges to secure 3rd place in the beginner category and secure victory in the Comcast sponsored track, triumphing over **63** teams and **450+** competitors, earning a prize of $1500.
- Implemented a **React Native** application using **AWS** serverless architecture and **Twilio** integration, featuring live fire detection and push notification alerts for users, with seamless communication to authorities through the app.
- Implemented **YOLOv9** and **PyTorch** for fire detection, enhancing functionality with live data processing and seamless user experience.

Temple Trading Hub (TTH)| Next, TypeScript, Tailwind, Firebase   May 2020
- Developed a full stack application tailored specifically for the Temple University community, offering a secure and convenient platform for trading various items within the campus environment, such as textbooks, electronics, furniture, clothes, and more.
- Generated audience engagement increase of **20%** by developing a full stack application for Temple University community.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, NoSQL, JavaScript/TypeScript, HTML/CSS
Frameworks: React, Next, Tailwind, Flask, JUnit, NumPy, Pandas, PyTorch, Jenkins
Technologies/Tools: Git, Unix/Linux, IDEA, Figma, AWS, GCP, MongoDB, Firestore, Jupyter Notebook, Airflow