

# Joey Huang

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## Education

### Temple University

Philadelphia, PA

Bachelor of Science in Computer Science - GPA: **3.95**

Expected May 2026

**Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Software Design, Database Systems, Machine Learning, Cloud Computing, Deep Learning

## Work Experience

### Software Engineer Intern

February 2024 - June 2024

8by8 Remote

- Migrated legacy React components to a Next.js architecture with TypeScript, improving code maintainability and increasing search engine optimization by **20%**.
- Implemented unit tests within a GitHub Actions CI/CD pipeline, automating pull request validation and achieving **100%** code coverage.
- Integrated Cloudflare Turnstile into authentication REST APIs, enhancing platform security.
- Participated in peer code reviews, enforcing SOLID design principles and dependency injection.

## Projects

### Samplehub | React, Node.js, Express.js, PostgreSQL, Google Cloud Platform | Demo

- Collaborated on a 4-person team to build a full-stack music sample platform that supported **40+** users.
- Led cloud infrastructure on GCP Compute Engine, configuring Linux VMs, Nginx reverse proxy, containerization, Firebase authentication, and automated deployments.
- Designed and optimized a PostgreSQL database using 3NF normalization and indexing strategies, improving query performance by **50%**.

### WebtoonMTL | Python | Github

- Developed an image-to-text neural machine translation system, integrating OCR text extraction and Hugging Face Transformers for Korean to English translations.
- Fine-tuned and evaluated models on **10K+** parallel text samples, achieving **0.44** BLEU and **0.64** chrF quality scores.

### Gympal | React Native, Node.js, Express.js, MongoDB | Github

- Developed a mobile fitness application to manage workouts and nutritional data, building RESTful APIs and using a MongoDB database.
- Implemented email and password authentication with bcrypt hashing and JWT session management.

### Sensofocus | Kotlin, Java | Github

- Built a multi-sensor data pipeline for an Android app, applying low/high-pass filtering and binary classification to detect motion and noise distractions.

## Technical Skills

**Languages:** Python, JavaScript, TypeScript, SQL, Java, HTML/CSS, C

**Frameworks & Libraries:** React, Node.js, Next.js, Express.js, PyTorch

**Developer Tools:** Git, Linux, PostgreSQL, MongoDB, Google Cloud Platform, Docker, Vim

**Concepts:** Software Engineering, Frontend, Backend, Machine Learning, REST, Agile, OOP