Joey Huang

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Education

Temple University   Philadelphia, PA
*Bachelor of Science in Computer Science – GPA: **3.95/4.0***   *Expected May 2026*

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Software Design, Databases, Machine Learning, Cloud Computing

Work Experience

Software Engineer Intern   March 2024 – June 2024
8by8   *Remote*

- Refactored and migrated **10+ React.js** and **JavaScript** components into a scalable **Next.js** and **TypeScript** architecture, improving developer productivity and increasing SEO by **20%**.
- Improved user authentication **REST APIs** for their Challenge platform with Cloudflare Turnstile, enabling strong bot protection.
- Implemented and integrated unit tests into the **CI/CD** pipeline and **GitHub Actions**, automating quality checks on pull requests and achieving **100%** code coverage.
- Collaborated with the development team using **Git** workflows to perform peer reviews, enforcing code standards and performance across the codebase.

Projects

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

- Collaborated on a **4-person team** to build a full-stack music sample platform, integrating cloud storage, Firebase authentication, and an **Nginx** web server that supported **50+** users.
- Led cloud infrastructure deployment on **GCP Compute Engine** using Linux VMs, configured HTTPS via TLS, and built automated actions, reducing deployment time by **90%**.
- Designed a **PostgreSQL** database and optimized with normalization (3NF) and indexing strategies, improving query performance by **50%**.

WebtoonMTL | *Python*

- Developed an image-to-text neural machine translation pipeline for Korean webtoons using EasyOCR and Hugging Face's Transformers framework.
- Fine-tuned a transformer model, improving translation quality with BLEU score from 41.3 to 43.1 and character n-gram F-score from 0.588 to 0.603.

Sensofocus | *Kotlin, Java*

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

Ezclips | *React, Node.js, Express.js*

- Developed a Chrome extension that automates extracting and uploading Twitch highlights to TikTok, reducing manual content creation time by **80%**.

Technical Skills

Languages: Python, JavaScript, TypeScript, Java, C, SQL, HTML/CSS
Frameworks & Libraries: React.js, Node.js, Next.js, Express.js, NumPy, pandas
Developer Tools: Git, Linux, AWS, Google Cloud Platform, Postgres, MongoDB, Vim, Docker