

Joey Huang

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Education

Temple University

Philadelphia, PA

Bachelor of Science in Computer Science – GPA: 3.94/4.0

Expected May 2026

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

Technical Skills

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

Frameworks & Libraries: React.js, Node.js, Next.js, Express.js, NumPy, pandas

Developer Tools: Git, Github, Linux, Amazon Web Services, Google Cloud Platform, Postgres, MongoDB, Vim, Docker

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 search engine optimization by **20%** through server-side rendering.
- Engineered **RESTful** user registration **APIs** for the Challenge platform using Zod schema validation and **Cloudflare Turnstile**, preventing bot accounts and accelerating the voter registration process.
- Implemented and integrated **Jest** unit tests into the **CI/CD** pipeline with **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 and deploy a full-stack music sample platform, integrating **Firebase** authentication, Supabase services, and an **Nginx** web server that supported **50+** users.
- Led cloud infrastructure deployment by provisioning Debian VMs on **GCP Compute Engine**, setting up **DNS** configuration and **SSL/TLS** certificates, and building an automated **CI/CD** workflow, reducing deployment times by **90%**.
- Designed and optimized a **PostgreSQL** database, applying **normalization (3NF)** and indexing strategies to improve query performance by **50%**.

Sensofocus | *Java, Kotlin*

- Created a multi-sensor data pipeline (accelerometer, gyroscope, microphone) for an **Android** focus app, applying **low/high-pass filters** to process data and identify motion and noise distractions.

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

- Developed a Chrome extension that automates extraction of Twitch highlights and uploads videos to TikTok, reducing manual content creation time by **80%** and achieving **60,000+** views and **3000+** likes across published clips.

GymPal | *React Native, Node.js, Express.js, MongoDB*

- Built a full-stack workout and calorie tracking application by integrating the USDA FoodData Central API, enabling access to **7000+** food items for accurate nutritional data.
- Implemented secure authentication with **bcrypt** and **JWT**, protecting user data across sessions.