

Jay Cheng

917-346-9306 | jaykaicheng@gmail.com | [linkedin.com/in/jaykcheng](https://www.linkedin.com/in/jaykcheng) | github.com/jaykcheng | jaykcheng.com

EDUCATION

Georgia Institute of Technology

Master of Science (MS) in Computer Science

Jan 2024 – Present

GPA: 3.67

University at Buffalo, The State University of New York

Bachelor of Arts (BA) in Computer Science, Minor in Psychology

Aug 2018 – May 2022

EXPERIENCE

Software Engineer

Lightpath

Jan 2023 – Present

Bethpage, NY

- Implement and enhance a customer portal serving 8000+ users for support ticket creation, invoices, and billing using React, Spring Boot, and PostgreSQL resulting in \$49,000,000 in payments
- Design custom Apex REST APIs in Salesforce CRM on sObject records to manipulate data, enable cross-system communication, and perform full CRUD operations
- Modernize and migrate old IBM Cast Iron Integrations by transitioning to Microsoft Azure improving scalability and maintainability with cloud-native services
- Build end-to-end integration workflows in Azure Logic Apps to streamline data manipulation and orchestrate processes across cloud and on-premises environments
- Manage access control, lifecycle, and status of APIs in Azure API Management to ensure stable and secure access to internal systems for customers and partners

Software Engineer Intern

Lightpath

Jul 2022 – Jan 2023

Bethpage, NY

- Utilized React components and hooks to manage application states and queries contributing to the development of an efficient, performant, and scalable front-end application leading to a 40%+ boost in performance
- Collaborated with business analysts, project stakeholders, and project managers to identify products and technical requirements to upgrade Liferay JSP to a modern tech stack leveraging Agile methodology

PROJECTS

Stroke Aware | *React, Python, Flask, FHIR*

- Created FHIR-compliant medical imaging application using Flask, React, and OpenAI API, integrating KNN machine learning models to assess stroke likelihood from user-uploaded images
- Coordinated and unified independent built modules from different team members to deliver a working prototype under tight development constraints

Mosaic Maker | *React, Python, Flask, MySQL, CSS*

- Led group in completion of weekly tasks through creation of user stories, acceptance tests, and bi-weekly sprint demos leading to a 2nd place finish in UB CSE Demo Day among 60+ other graduate groups
- Produced and maintained CI/CD pipelines for automated code deployment using GitHub, Unicorn, and Nginx on an Apache server expediting deployment by 80%

Study Seeker | *React, Swagger REST API*

- Programmed a web application social media platform to help students build study groups and increase productivity using React, Swagger API, and ZenHub using proper agile pipelines

Bullboard | *Python, JavaScript, MongoDB, HTML, CSS*

- Deployed a full-stack web application using Python, JavaScript, and MongoDB in collaboration with 4 other developers to help students find friends and roommates
- Achieved implementation of a live map interaction opening web sockets for concurrent users and led debugging efforts bringing on a 25% improvement in run-time performance

SKILLS

Languages: Java, Apex, Python, C/C++, SQL, JavaScript, HTML/CSS

Frameworks: React, Node.js, Flask, Django, Spring Boot, Azure

Developer Tools: Git, Visual Studio Code, Unix/Linux, Figma, Vim, Balsamiq, Eclipse, VirtualBox, Salesforce CLI