Jay Cheng

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EDUCATION

Georgia Institute of Technology   **Jan 2024 – Present**
Master of Science (MS) in Computer Science   *GPA: 3.67*

University at Buffalo, The State University of New York   **Aug 2018 – May 2022**
Bachelor of Arts (BA) in Computer Science, Minor in Psychology

EXPERIENCE

Software Engineer   **Jan 2023 – Present**
Lightpath   *Bethpage, NY*
- Implement and enhance a customer portal serving 8000+ users for support ticket creation, invoices, and billing using React, Spring Boot, and PostgreSQL processing over $49 million in payments annually
- 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   **Jul 2022 – Jan 2023**
Lightpath   *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, OpenAI*
- Created a FHIR-compliant medical imaging full-stack application 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, Gunicorn, 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 ZenHub for proper agile pipelines and Figma for prototyping

Bullboard | *Python, JavaScript, MongoDB, HTML, CSS*
- Deployed a full-stack web application 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