Jay Cheng

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EXPERIENCE

Software Engineer (via TEKsystems)   **January 2023 – Present**
Full Stack Developer Intern   **July 2022 – January 2023**
Lightpath   *Bethpage, NY*
- Implement and enhance a customer portal serving 6000+ users for support ticket creation, invoices, billing, and metrics reporting using React, Spring Boot, and PostgreSQL resulting in a 25% increase in traffic
- Utilize React components and hooks to manage application states and queries contributing to development of an efficient, performant, and scalable front-end application leading to a 40%+ boost in performance
- Collaborate 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

Software Engineer   **January 2022 – July 2022**
University at Buffalo Nanosatellite Laboratory   *Buffalo, NY*
- Researched methods and APIs to incorporate software for a camera in the Glint Analyzing Data Observation Satellite (GLADOS) deploying core Flight System Platform (cFS) to gather light data for NASA
- Updated data for Space Situational Awareness (SSA) utilizing cFS to develop mission applications, enable collaboration across organizations, lower deployment time, and reduce project schedule
- Frequented short cycle labs and meetings to acquire knowledge in PCB design, software development, hardware assembly to contribute to enhancement of project documentation

EDUCATION

Georgia Institute of Technology   **January 2024 – Present**
Master of Science (MS) in Computer Science

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

PROJECTS

Mosaic Maker | *Python, React, Flask, MySQL, CSS*
- Deployed a full-stack web application to devise picture mosaic art using images/keywords entered by users or randomly leveraging a Flask backend, and React frontend
- 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, make friends, form communities, and increase productivity using React and custom Swagger API
- Incorporated ZenHub to design and assign tasks as a kanban board optimizing project organization and workflow efficiency operating with proper agile pipelines producing a 400% increase in overall task creations

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

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS
Frameworks: React, Node.js, Flask, Django, Flask, Spring Boot, Azure
Developer Tools: Git, Emacs, Visual Studio Code, Unix/Linux, Figma, Vim, Balsamiq, Eclipse, VirtualBox