James Wong

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EDUCATION

Boston University — Expected Jan. 2025

Bachelor of Science in Computer Science | Minor in Business Administration

- **Relevant Courses**: Distributed Systems, Probability in Computing, Concepts of Programming Languages, Software Engineering, Data Structure & Algorithms, SWE in Modern Cloud Env, Combinatoric Structures

PROFESSIONAL EXPERIENCES

Mutual Of Omaha — May 2024 - Present

Software Engineer Intern — *Remote*

- Refactored an existing legacy underwriting communication application, transitioning from **Grails** to **ReactJS** and **Spring Boot**, boosting system performance by **40%**, while reducing technical debt by **60%**.
- Facilitated in an **agile development** with product owners and users to identify over **7+** future and current usability pain points alongside implementing additional features to reduce workflow bottlenecks by over **50%**.
- Contributed to **Technical Documentations** for system architect, design pattern, and technical specification to support ongoing maintenance and development of future modernization of underwriting applications.

BostonHacks — Feb. 2023 - Present

Software Engineer — *Boston, MA*

- Coordinated with peers to develop a full-stack web application using **React.js, Firebase,** and **Tailwind CSS.**
- Deployed **30+ React Component** and an efficient check-in system for over **800+** attendees.
- Coordinated with sponsors to host **Full-Stack Development** and **Restful API** workshops for **100+** attendees.

Mass General Brigham — Jun. 2023 - Aug. 2023

Software Development Engineer Intern — *Boston, MA*

- Deployed a scalable database management tool using **Python** and **Streamlit** with **Pandas** frameworks for integration and standardization of wide range of data exports from enterprise data.
- Streamlined transformation to **4+** data types from **Snowflake** using **Pandas Dataframe** and launched **2+** expansions including **OpenAi, NumPy**, and further documentation for future expansions.
- Presented and demoed the transition of **Azure Repos** to **Github Repo** in front of Directors, Stakeholders, and peers, allowing actionable workflow when working in an **agile development** while developing software or views.

Hearst Corporation — Jun. 2022 - Aug. 2022

Software Engineer Intern — *New York City, NY*

- Collaborated with **10+** experienced SWE on the **Search** team to successfully reduce Jira backlog tickets by **50%** relating to bug fixes, deprecated sources, and issues to optimize and enhanced overall reliability.
- Integrated a combination of **20+** Unit test, Integration test, and E2E test for project deployment pipeline, boosting automated coverage of functionality from **80%** to **95%** for all production sites under Hearst Media Corporation.
- Developed a **Python Command Line Tool** used by members of the team to automate **5+ Python** and **Docker** scripts when testing applications on local machine, cutting down process time by over **30%**.

PERSONAL PROJECTS

OpenPoll.live | *Next.js, TypeScript, Firebase*

- Deployed an **open-sourced** live-polling app, capable of interacting with groups of people in recurring manner.
- Integrated in over **5+** classrooms, providing students a free alternate solution in tracking grades and attendance.

MapReduce & RAFT Consensus Algorithm | *Golang*

- Recreated **Fault-tolerant** distributed system capable of processing hundreds of gigabytes of data and transaction.
- Implemented RAFT consensus algorithm in **Go** verified by MIT 6.824 testing script, emulating real-life scenario.

Reverse-Split Detection | *Python, yFinance, MongoDB, Selenium, bs4*

- Utilized **pattern matching** to find daily anomalies in stocks that will reverse-split.
- Deployed solution on **AWS server**, generating over **$300** in monthly profits by leveraging stock splits.

TECHNICAL SKILLS & ACTIVITIES

Activities: BostonHacks Tech Team, HackMIT, CodePath Software Engineer Cohort, MLH Prep, America on Tech
Languages: Python, Java, Javascript, Golang, C#, SQL, HTML/CSS
Tools: React, Git, AWS, Node, Firebase, .NET, JUnit, Mockito, VS Code, Postman, Figma, Tailwind CSS, Streamlit