

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, Artificial Intelligence, Data Structure & Algorithms, SWE in Modern Cloud Env, Combinatoric Structures

PROFESSIONAL EXPERIENCES

Mutual Of Omaha

August 2024 - Present

Software Engineer

Remote

- Developed and optimized 10+ **Spring Boot microservices** and **APIs** to enhance administrative backend system integrations focused on plans, annuities, and institutional investments
- Participated in **weekly refinement** sessions with business and engineering teams, shaping **20+** through technical analysis, system design, and database schema review, ensuring alignment with architectural standards.
- Engaged in Innovation Topics, resolving **15+** internal blockers and bugs, and improving **5+** internal processes to reduce development bottlenecks and accelerate delivery by **20%**.

Mutual Of Omaha

August 2024 - Present

Software Engineer Intern

Remote

- Refactored an existing legacy underwriting communication service, 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 client-side personnel and users to identify over **7+** future and current usability pain points alongside iterations of additional features to reduce workflow bottlenecks by over **50%**.
- Contributed to **Technical Documentations** for system architect, testing, and technical specification to support ongoing maintenance and development of future modernization of underwriting applications.

BostonHacks

Feb. 2023 - May 2025

Software Engineer

Boston, MA

- Led the tech team to deploy a full-stack web application using **React.js**, **Firebase**, and **Tailwind CSS**.
- Developed technical solutions for **efficient checking in** and **managing applications** for **800+** attendees.
- Coordinated with sponsors to host **Full-Stack Development** and **Restful API** workshops for **100+** attendees.

Mass General Brigham

Jun. 2023 - Aug. 2023

Data Engineer Intern

Boston, MA

- Deployed database management with **Streamlit** on through ETL from enterprise data sourced from **Snowflake**.
- Developed a microservice for data integration with **OpenAi**, **NumPy**, alongside further documentation.

Hearst Corporation

Jun. 2022 - Aug. 2022

Software Engineer Intern

New York City, NY

- Increased test coverage from **75%-95%** by producing multiple tests into the pipeline for all environments.
- Developed **Command Line Tool** automating **5+** **Python** scripts to reduce 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, Jenkinsfile, VS Code, Postman, Figma, Tailwind CSS, Streamlit