James Wong

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EDUCATION

Boston University   **Boston, MA**
Bachelor of Science in Computer Science and Minor in Business Administration   September 2021 – May 2025
- **Relevant Courses:** Computer Systems, Probability in Computing, Concepts of Programming Languages, Software Engineering, Data Structure & Algorithms, SWE in Modern Cloud Environments, Combinatoric Structures

TECHNICAL SKILLS & APPLICATIONS

Languages: Python (Advanced) | Java (Advanced) | HTML / CSS / Javascript (Advanced) | SQL | NoSQL
Frameworks & Libraries: React.js | Node.js | Flask | MongoDB | Pandas | NumPy | Selenium | Bootstrap
IDE & Applications: VSCode | Git | Google Cloud Platform | Firebase | Docker | Snowflake | Postman

WORK EXPERIENCE

BostonHacks – Software Engineer   February 2023 – Present
- Worked with 7 developers to productionize and host the website for one of the biggest hackathons in Boston
- Delivered over 30+ utilized components in React.js and an efficient check-in system for over 800+ hackers
- Coordinated with sponsors to host Full-Stack Web Development and API workshops for 100+ attendees

Mass General Brigham – Software/Data Engineer Intern   June 2023 – August 2023
- Initiated and advanced the development of a scalable Master Data Management (MDM) Prototype using Streamlit with Pandas frameworks for integration and standardization for a wide range of enterprise data
- Streamlined data transformation of 4+ data types exported from enterprise Snowflake using Pandas dataframe and launched 2+ innovative expansions including OpenAi, NumPy, and a framework for future expansion.
- Presented and facilitated the transition of Azure Repos to Github Repo in front of director, stakeholders, and team, allowing actionable workflow when working in an agile development while developing software or views

Hearst Corporation – Software Engineer Intern   June 2022 – August 2022
- Collaborated with 10 experienced Software Engineers on the Search team to successfully complete 50% of Jira backlog tickets related to bug fixes, deprecated sources, and issues to optimize and enhance overall reliability
- Developed a python command tool used by all members of the team to automate 5+ python and Docker scripts when testing applications on local machine to provide efficient running and cut down process time by over 30%
- Refined consistency and speed of our search API by improving python unittest framework that boosts automated coverage of functionality from 80% to 95% for production sites under Hearst Media Corporation

PROJECTS

Weather Planner | React.js, Node.js, MongoDB
- Planned and led the development to create an interactive weather calendar with Google Oauth and Maps API
- Succeeded in developing a full-stack application by using software development lifecycle in an agile scrum cycle

PassManager | Javascript, CSS, HTML, SQLite, Chrome
- Developed a chrome extension to generate passwords, meeting criteria and auto inserting them upon visit
- Implement multitudes of functions including search, organizations, retrievals and more for future flexibility

MunchSwipe | Python, Flask, Yelp's API
- Implemented a Python project using Yelp's API to filter over 500+ recommended restaurants based on location
- Prioritized simplicity and functionality to quickly display new information rather than previous similar result

Relevant Experience

CodePath Advanced Course – Software Engineering Fellow   June 2023 – August 2023
- Collaborated with 4 peers to solve coding problems and conducted multiple technical mock interviews
- Taught by professionals about data structures, algorithms, and runtimes in depth by attending weekly sessions
- Learned importance of efficient code and how to improve for better time and space complexity