

# James Wong

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## EDUCATION

**Macaulay Honors College, The City College of New York**  
Bachelor of Science, Computer Science

*June 2019*

## TECHNICAL SKILLS

**Programming Languages:** Ruby, Python, JavaScript, Java

**Technologies:** Ruby On Rails, PostgreSQL, AWS (ECS, S3), Datadog, NewRelic, Looker, React/Redux, Flask, HTML/CSS, Git, Jira, Heroku

## EXPERIENCE

**Software Engineer, Subscriptions**  
Stash

*August 2019 - Current*  
*New York, New York*

- Implemented and maintained invoicing in both the legacy and updated subscriptions systems that concurrently handle millions of invoices per month
- Completely reworked the subscriptions service using AWS, event-driven architecture with Kafka, and Ruby on Rails that has since supported over three million new users
- Led a team of three backend engineers in efforts to add business metric observability and data integrity monitoring using Datadog and SQL
- Built a full stack solution for the subscription reactivation flow using React/Redux and Ruby on Rails
- Acted as the subscriptions subject matter expert for stakeholders in the Engineering, Data Science, Marketing, and Customer Experience teams
- Refactored “Challenges” and “Next Steps” systems using data normalization and N+1 query optimization

**Software Engineering Intern, Corporate and Investment Banking Technology**  
JPMorgan Chase & Co.

*June 2018 – August 2018*  
*New York, New York*

- Developed an internal Python reporting tool to reduce the length of the audit log reconciliation process in equities trading compliance by 30 hours/month
- Worked with a team of three to integrate processed configuration files into a global monitoring tool to be used by several entities within JPMorgan Chase & Co. for a high level overview of the trading environment
- Leveraged an agile workflow to quickly deliver new features by tracking issues through Jira, collaborating in scrum meetings, and developing in sprints
- Developed and optimized existing REST API endpoints to provide electronic trading information and to reduce database insertion times using Spring MVC

## PROJECTS

**Youtube Auto Quality** *Javascript*

*October 2021*

- Published an open source Chrome extension for maximizing video resolution on Youtube

**Better Business Buddy, NS Hackathon F17** *React, Flask, Yelp API*

*November 2017*

- Led a team of four to design a web app to guide budding entrepreneurs in the restaurant industry by providing researched cost/credit estimates and potential competitors
- Received JPMorgan Chase & Co.’s award for the Best Hack for Empowering Minority Entrepreneurs

**GIFRadio, HackNY F17** *Node.js, Express.js, GIPHY API*

*October 2017*

- Developed a wordless music recommendation web app in a team of three that provides an alternative means of discovering music
- Created an API that provides a random list of GIFs as possible search queries to generate a Spotify playlist

**Queens Housing Redevelopment Proposal** *Python*

*April 2017 – May 2017*

- Proposed a redevelopment plan for Willets Point as an affordable alternative to the existing plan
- Determined optimal housing patterns by drawing a Voronoi diagram using scipy library on food market locations in Flushing and Corona