

Byron Chan

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[Personal website](#) | github.com/byroncjy |

EDUCATION

New York University, Stern School of Business

Aug 2020 – May 2024

Bachelor of Science: Business (Statistics) & Computer Science (2nd major)

New York, NY

- Cumulative GPA: 3.9/4.0, Dean's List (all sem.)
- Relevant coursework: Operating Systems, Artificial Intelligence, Machine Learning, Computer Systems Organization, Agile Software Engineering, Algorithmic Problem Solving, Data Structures

TECHNICAL SKILLS

Languages: Python, C++, C, Java, SQL, R, Javascript, Go, HTML, CSS

Frameworks: Django, Flask, React, Express, Node

Developer Tools: Git, Github, Docker, AWS (DynamoDB, RDS), Gunicorn, Postman, Railway, PostgreSQL, MongoDB, DigitalOcean

PROFESSIONAL EXPERIENCE

Research Data Analyst

Mar 2021 – Aug 2022

New York University & National Bureau of Economic Research

New York, NY

- **Text Data Scraping:** Designed and implemented Python algorithm to scalp and organize textual data from OCR scanned biographical PDFs of 10,000 20th century American scientists into CSVs
- **Extraction Accuracy:** Improved data extraction accuracy from 30% to 70% via regular expression pattern matching
- National Science Foundation: [Social Mobility and the Origins of American Science](#)
- Code: <https://github.com/byroncjy/wiw-project>

Administrative Intern

Jan – Apr 2020

UOB Kay Hian

Singapore

- **Internal Tooling:** Developed an internal tool to quicken the reconciliation of end-of-quarter shareholdings from 2 weeks to 1 day
- Managed and facilitated the platform transfer of securities with international stock brokerage representatives

PROJECTS

QRConnect | [Github](#) | [Website](#) | *React, Node, Express, MongoDB, Docker, DigitalOcean*

2024

- **Social Connections:** Developed a social connections app enabling users to share social media info and make connections via uniquely generated QR codes
- **API:** Implemented backend user information routes in Express and validated data using express-validator
- **DevOps:** Led Docker containerization and deployment onto DigitalOcean Droplet
- **Tests:** Wrote comprehensive unit tests with 95% coverage for backend routes

RateMyDiningHall | *React, Django, PostgreSQL, Gunicorn, AWS*

2024

- **Ideation:** Pioneered the conception and development of a college dining hall review website
- **API, Database:** Built Django REST API endpoints and connected it with the AWS RDS PostgreSQL database
- **User Auth:** Integrated django-allauth, dj-rest-auth and college email verification for comprehensive user authentication

Spotify Search App | *React, Node, Express, Spotify API*

2023

- Created a personal app that searches and displays results for an album, artist or playlist based on user input
- Implemented login authentication functionality for user to login and search music from their personal Spotify account.