Joseph Fallait

Chestnut Hill, MA ● 347.933.2080 ● fallait@bc.edu

EDUCATION

Boston College; *Chestnut Hill, MA*   Class of 2021
Anticipated Bachelor of Arts in Computer Science, Economics   **Dean's List: GPA 3.57**
Relevant Coursework: Econometrics, Visualization, Computational Investment, Algorithms, Machine Learning,
Web App Development, Software Engineering

The Baccalaureate School for Global Education; *Astoria, NY*   2013 - 2017
International Baccalaureate Diploma recipient, July 2017

WORK EXPERIENCE

Boston College ResLife; *Chestnut Hill, MA*   August 2019 – Present
Resident Assistant
- Moderated discussion between residents and professional staff to better resident quality of life in the dorms.
- Enforced policies and completed administrative tasks while managing course requirements for double major.
- Proposed and executed fun and educational floor programs aimed at fostering relationships between residents.
- Worked as a team alongside other Resident Assistants to orchestrate complicated building-scale events.

OneThree Biotech; *Cornell Tech, Roosevelt Island, NY*   July 2019 – August 2019
Business Development/Data Analysis
- Developed a mass-email campaign marketed to pharmaceutical companies resulting in numerous partnerships.
- Learned about AI-guided drug research and applied this knowledge towards correspondence with partners.
- Created Gantt Chart process to track progress in partner correspondence using Python scripts and Sheets API.
- Refined upon pre-existing automated email system using web scraping to include personalized information.

Audtra; *New York, NY*   July 2018 – August 2018
Business Development/Software Development Intern
- Coordinated and executed growth hacks and other business development strategies for a tech startup.
- Corresponded and worked alongside backend engineers to fix vital server bug before a demo video campaign.
- Pair-programmed to fix functionality and UI errors in the Android version of the app.
- Reached out to high-value targets and diverse demographics to create a client base.

PROJECTS

Markov Chain Lyric Generator
- Researched Markov Chain stochastic models for text prediction.
- Utilized existing Genius API to scrape different artists' lyrics for use in the model.
- Cleaned up data and brainstormed other possible methods for refinement of the model and scraping process.
- Product: Markov Chain lyric generating script.

Text Classifiers
- Researched a number of different implementations of Text Classifiers and learned how to implement them.
- Implemented text scrapers with different website APIs in order to create suitable datasets.
- Created framework to take properly formatted datasets and create a spam classifier using them.
  Product: Naïve Bayes and Support Vector Machine text classifiers w/ presentation.

Capital Asset Pricing Model Portfolio Generator
- Used principles of Quant Finance and predictive modeling to predict stock market behavior.
- Programmed with Quantopian API to automate generation of stock portfolios based off predictions.
- Simulated generated investment vehicle on different time ranges, optimizing for out-of-sample performance.
  Product: CAPM Python script w/ presentation.

SKILLS
- Python, Java, C, Stata, PyLab, Pandas, SQL, Javascript, HTML, CSS, SVG and D3, and Tableau.
- Fluency in English and French.