

Jonathan Trachtenberg

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EDUCATION

Hunter College CUNY

New York, NY

Bachelor of Arts in Computer Science, Bachelor of Arts in Economics, Minor in Mathematics

Expected: May 2019

Relevant coursework

Data Structures and Algorithms, Practical Web Development, Advanced Networks/Cloud, Discrete Math, Matrix/Linear Algebra, Econometrics, Economic Statistics, Entrepreneurship, Business Development

TECHNICAL SKILLS

Programming: C++, Python, Java, MySQL, NoSQL

Technologies: AWS, Git, Unix/Linux, Windows, Vim, Visual Studio, Android Studio

Certifications: AWS Developers Associate

PROJECTS

Natural Language Processing Personal Project

- Scraped reviews of professors on a popular professor review site and looked for correlations between words used in the reviews of professors and each professor's gender using a NLP Python module.
- Used **Python** along with the **Selenium** and **Scikit** to develop the web-scraper and TF-IDF (term frequency-inverse document frequency) respectively. Uses the **OS** module to organize scrapped data into directories for further processing.

Vyce Android App – CUNY Hackathon | Team Leader of Group of 5

- An **Android app** that uses a **machine learning** algorithm to help people stop smoking without having negative side effects due to over withdrawal.
- **Java** front-end. Created multiple features including a calendar, a Google Maps location tracker with **Google Maps API**, a tracker for the amount of money saved, and how many cigarettes allowed per day by the ML algorithm.
- Backend hosted on **AWS**. Serverless backend with **Lambda**, **S3**, **API Gateway**, **X-Ray**, **SQS**, and **RDS** to handle operations in hosting the app. Serverless was chosen by me to reduce cost and increase response time. Interacted with RDS with MySQL. **Sagemaker** used to develop the ML algorithm.

EXPERIENCE/INTERNSHIPS

Trachtenberg Dental Arts

New York, NY

Dental Office Receptionist

May 2014 – May 2017

- Automated significant amount of workflow by writing **Python** scripts to fill out dental patient insurance claims.
- Utilized software to automate appointment confirmations and email advertisements.
- Developed soft skills by working with patients to make their dental visits more pleasant.

ADDITIONAL EXPERIENCE /CLUBS/SKILLS

Treasurer of Association for Computing Machinery at Hunter College

New York, NY

- Developed a budget plan that efficiently allocates funds to maximize goals for the organization.
- Gave a talk on the uses of **Amazon Web Services** in professional environments as well as a deep dive into commonly used services.
- Created interpersonal relationships with student groups and fostered a sense of community.

Trilingual

- Fluent in **English**. Proficient in **Russian** and **French**.