

# Hannah Portes

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## EDUCATION

### **Columbia University**

New York, NY

#### **Master of Science, Computer Science**

Expected Dec 2023

- Relevant Coursework: Neural Networks & Deep Learning, Natural Language Processing, Artificial Intelligence, Databases, Applied Machine Learning, Advanced Spoken Language Processing, Advanced Database Systems

### **Cornell University**

Ithaca, NY

#### **Bachelor of Science, Information Science, Minor in English**

May 2020

- Relevant Coursework: Statistics, Python, Data Science, Information Ethics, Internet Law, Networks (CS2850), Networks II: Market Design (CS4852), Human-Computer Interaction Design

## PROFESSIONAL EXPERIENCE

### **The Depository Trust and Clearing Corporation (DTCC)**

Boston, MA

#### **Senior Software Analyst, Internal Trade Processing**

Jul 2020 - Aug 2022

- Worked as full-stack developer on a team that maintains the industry's largest online database for the maintenance and communication of account and standing settlement instructions used by investment managers, broker dealers, and custodian banks.
- Acted as lead UI resource to implement changes and improvements for the web application (HTML/CSS/TypeScript/Backbone.js).
- Remediated vulnerabilities identified by annual penetration testing to reduce risk to the application and organization (Java).
- Executed company-wide initiative to improve code coverage of legacy and novel Java code over the course of 2021

### **Cornell University**

Ithaca, NY

#### **Python Tutor, Computer Science Department**

Jan 2019 - May 2020

- Assist students who request extra help in Intro to Python course (8 hours/week)

### **Commerzbank AG**

New York, NY

#### **Intern, Client Verification Team**

Jun - Aug 2019

- Crafted and delivered new employee and analyst refresher training under senior supervision
- Developed and modified existing systems to improve pipeline management
- Refined and implemented a system to gather information and generated statistics on data quality
- Created a layout and system to produce weekly and daily reports on individual and team productivity

### **Commerzbank AG**

New York, NY

#### **Intern, Corporate Finance**

Jun 2018 - Aug 2018

- Researched the energy sector and compiled reports on prospective clients for the director of the Energy Team
- Assisted with credit summaries and client presentation materials for current and prospective clients for use in meetings and efficiency evaluations
- Worked as an analyst with the Client Verification Team on client onboarding
- Conducted strategy meetings to efficiently reduce workload

## SKILLS

- **Technical:** Python, Tensorflow/Keras, Java, SQL, Web Development skills in HTML/CSS/PHP/JavaScript
- **Languages:** Spanish (fluent), French & Hebrew (conversational)