

# FRANCES COHEN

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## EDUCATION

### Dartmouth College, Hanover, NH

*Bachelor of Arts, Major: Computer Science, Minor: Sociology*

Jun 2020

GPA: 3.84/4.0

Relevant coursework: COSC 1: Introduction to Programming and Computation, COSC 10: Problem Solving via Object-Oriented Programming, COSC 50: Software Design and Implementation, COSC 30: Discrete Mathematics in Computer Sciences, MATH 22: Linear Algebra with Applications, COSC 72: Accelerated Computational Linguistics, COSC 52: Full-Stack Web Development

Honors/Awards: Second Honor Group (2019), Third Honor Group (2018, 2017), Citation in What Matters, Citation in God and Money

### Aquincum Institute of Technology (AIT), Budapest, Hungary

Sep-Dec 2018

Relevant coursework: Applied Cryptography, Algorithms and Data Structures, Computer Graphics, Mobile Software Development

### Nightingale-Bamford School, New York, NY

Jun 2016

Honors/Awards: Induction into the Cum Laude Society, highest academic honor; American History Award; AP Scholar

Activities: Co-Captain of Varsity Tennis Team, News Editor of *The Spectator* (school newspaper), Co-Head of Tour Guides, Peer Tutor, Peer Leader, Copy Editor of Yearbook

## TECHNICAL COMPETENCIES

**Programming:** Python, Java, HTML, Javascript, Typescript, React, Kotlin, GoLang and C, C#, R

**Office:** Microsoft Office, Excel

## WORK EXPERIENCE

### Internship at Microsoft

Jun-Aug 2019

- Full-time software engineering internship at Microsoft
- Worked as a member of the Omnichannel team (within Dynamics365 in Business Applications Group) on the customer support chat portal that the team develops
- Worked on building a web API to expose endpoints to get feature control bits from a config database to the front-end, allowing various features to be enabled/disabled from the database and enabling desktop notifications on the browser-run application

### Internship at Pivotal Cloud Foundry

Jan-Mar 2019

- Full-time software engineering internship at Pivotal Software Inc, which maintains a platform-as-a-service that runs applications on any cloud
- Worked with the Credhub team, which handles credential management for the platform
- Took part in daily pair programming with team members, rotating through all the current tracks of work, such as the integration of the service with a Luna HSM as an external encryption provider and working on the Credhub Command Line Interface
- Participated in and sometimes led team meetings and took part in the team member daily rotation for attending to questions and issues from all users of the service, both internal and external to the company

### Internship at TalentAlgo

Jun-Aug 2017

- Helped develop and improve user interface for algorithmic platform that matches IT and quantitative talent to hiring opportunities in financial services
- Worked closely with software engineers to build interface

### Wyzant tutor

Jun-Aug 2017

- Designed and executed curriculum for SAT and ACT one-on-one sessions
- Evaluated results and worked with students to improve scores

### East Harlem Tutorial Program Volunteer

Jun-Aug 2016

- Collaborated with teachers as a teaching assistant in a first grade summer class for underprivileged gifted children

### Internship at BlackRock

Jun-Aug 2015

- Collaborated on various projects within Human Resources to both learn about the industry and contribute to the work being done
- For example, helped revitalize the feedback system to improve equity in promotions

## LEADERSHIP & EXTRACURRICULAR ACTIVITIES

### "COSC 1: Introduction to Programming" Teaching Assistant

Sep-Nov 2019

- Position as a Teaching Assistant for Dartmouth's introductory computer science course
- Work with staff of TA's and the course professor to grade all assignments and exams, as well as lead weekly sessions with a small group of students that reinforce course material

### Computer Science Tutor

Jun 2018-Present

- Meet up to three times a week with students in Software Design and Implementation (C programming)
- Work through assignments and teach core concepts with students

### Growing Change

Jan 2017-Present

- Volunteer weekly at a nearby school to teach young students about health, nutrition, and sustainability
- Collaborate with other volunteers to plan and organize lesson plans each week

### DREAM

Jun-Aug 2018

- Mentor underprivileged children in Upper Valley area
- Volunteer weekly and participate in various activities with the children in the program

## ADDITIONAL SKILLS & INTERESTS

- Fluent in French, competent in Spanish