Lucas **Silver**

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Experience

BGC Partners/Cantor Fitzgerald *New York, NY*
SOFTWARE DEVELOPMENT INTERN *Jun. 2017- Aug. 2017*

- Developed Framework and Functional Prototype for a Reference Data System
  designed to allow employees to log and view information on trades and the entities that make trades
- Decoded business logic from legacy software and implemented in Spring MVC(Java) and Angular JS
- Wrote and Maintained SQL Stored Procedures for neccessary database interactions
- Solicited and incorporated feedback on Prototype iterations from intended users

Cornell University Computer Science Department *Ithaca, NY*
TEACHING ASSISTANT FOR CS 2112- HONORS OBJECT ORIENTED DESIGN AND DATA STRUCTURES *Aug. 2016 - Dec. 2017*

- Held Office Hours for students seeking help understanding lecture topics and completing programming assignments
- Graded exams and weekly problem sets
- Led weekly Lab section
- Answered questions posed online through Piazza Q&A platform

American Museum of Natural History *New York, NY*
TECH INTERN FOR DIRECTOR OF ASTROVISUALIZATION AT ROSE CENTER FOR EARTH AND SPACE *Sep. 2014 - Aug. 2016*

- Proccessed Stereo Image data from Mars Exploration Rovers to 3D models using NASA Ames Stereo Pipeline
- Identified and provided fix for persistent shading bug in Ames Stereo Pipeline .obj exporter
- Responsible for researching and utilizing new technologies useful for obtaining 3D models of Martian terrain

Education

Cornell University, College of Arts and Sciences *Ithaca, NY*
COMPUTER SCIENCE MAJOR/MATH MINOR, GPA 4.0 *Aug. 2015 - Exp. May 2019*

- CS 4820 - Intro to the Analysis of Algorithms
- CS 4220 - Numerical Analysis: Linear and Nonlinear Equations
- CS 3110 - Data Structures and Functional Programming
- CS 3410 - Computer System Organization
- CS 2112 - Honors Object Oriented Design and Data Structures
- CS 2024 - C++ Programming
- CS 2043 - UNIX Tools and Scripting
- CS 2800 - Discrete Structures
- CS 1110 - Intro Computing Using Python
- Math 4130 - Honors Intoduction to Analysis
- Math 2210 - Linear Algebra
- Math 2220 - Multivariable Calculus
- Math 3220 - Intro to Number Theory

Skills

Java	**SQL**	**Eclipse IDE**
Python	**Javascript**	**LaTeX**
C/C++	**Ocaml**	
BASH/UNIX	**Git**	

Honors & Awards

Summer 2017	**Finalist**, Museum of Mathematics Expressions Hackathon	*NYC, NY*
Fall 2015 - Fall 2016	**Dean's List**, Cornell University	*Ithaca, NY*

Extracurriculars

Kesher Reform Judaism Organization, Cornell Chapter *Ithaca, NY*
PRESIDENT *Jan. 2016- Present*

- Managed and advised engagement efforts, greatly increasing membership
- Organized and led weekly Shabbat services and yearly Passover Seder