

Permanent
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Present
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EDUCATION

University of Chicago | GPA 3.93 /4.00 Chicago, IL
S.B. Candidate; Intended Major: Computer Science, Minor: South Asian Languages & Civilizations expected June 2019
Coursework includes: Functional Programming with Racket; Imperative Programming with C; Computer Systems; Networks and Distributed Systems; Mechanics and Electricity/Magnetism; Multivariate Calculus; Micro/Macroeconomics

Financial Markets Program September 2016 – Present
Increases knowledge of financial industry through workshops, site visits, internships, and Chicago Booth School of business and computer science courses

EXPERIENCE

UChicago Computer Science Department Chicago, IL
Grader January 2017 – Present

- Efficiently grades homework assignments for Functional Programming and Computer Systems classes, giving constructive feedback to students to help improve performance
- Works with teachers and colleagues to manage Subversion repositories and communicate effectively

UChicago STEM Education Center Chicago, IL
Computer Science Education Research Assistant June 2016 – September 2016

- Challenged myself by taking on complex projects, learning JavaScript throughout the course of the internship
- Played a leadership role within a group of my peers by assisting others in their projects and taking on new tasks
- Built upon the back-end capabilities of LaPlaya, a block-based programming language similar to Scratch

LEADERSHIP & ACTIVITIES

Association for Computing Machinery – Women (ACM-W) Chicago, IL
Vice Chair August 2016 – Present

- Coordinates speaker events, panels, and other programming for biweekly meetings to support women in computer science on campus by providing a space for open dialogue
- Writes grant proposals to launch new initiatives on campus such as a Grace Hopper Celebration Scholarship Fund

Females Excelling More in Math, Engineering and Science (FEMMES) Chicago, IL
Events Lead/Web Master January 2016 – Present

- Assisted the instructor with teaching coding skills in Python to middle school girls over a 10 week period
- Standardized the organization's website design and works to keep the site updated regularly
- Organizes an annual capstone event with workshops to promote STEM subjects among middle school girls

PROJECTS

Math.floor(it) Web Application, Best Beginner Hack Chicago, IL
Team Member January 2017

- Creating a website at Uncommon Hacks using the Google Maps API that returns the ETA and other related information given that the user runs all the red lights enroute and speeds twenty five miles above the limit
- Designed page layout and animation on the front-end using HTML, CSS, and JavaScript and created graphics in Adobe Illustrator to enhance the display

Magic: The Gathering Arbitrage Program Chicago, IL
Team Member April 2016

- Worked in a team to develop a program in Python that uses the Google Trends API to determine which trading cards will soon increase in demand, thus creating an opportunity to make a profit
- Wrote several parsing functions to filter out unlikely cards based on game criteria or interference with the API

SKILLS & INTERESTS

Programming Languages: Python, C, Scheme, JavaScript, HTML5, CSS, SVN, Git (<https://github.com/imehrotra>)

Software: Adobe InDesign, Photoshop, and Illustrator, Statistical analysis with Excel

Language: Proficiency in Spanish and Hindi

Hobbies: Team Sports, Travel, Graphic Design, Digital Fabrication