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EDUCATION

Massachusetts Institute of Technology Cambridge, Massachusetts Expected June 2020
Bachelor of Science in Computer Science and Engineering, Cumulative GPA: 4.4/5.0

- Fundamentals of Programming
- Math For Computer Science
- Introduction to Algorithms
- Introduction to Machine Learning
- Computation Structures
- Introduction to Computer and Data Science

WORK EXPERIENCE

MIT Experimental Studies Group Boston, Massachusetts September 2017 - Present
Recitation Instructor and Grader

- Created, executed, and led lesson plans for a weekly problem solving section (recitation)
- Interacted with students in order to understand and effectively respond to confusion on topics

MIT Lincoln Laboratory Group 109 - Systems and Analysis Lexington, Massachusetts May 2018 - August 2018
Summer Intern

- Created algorithms that analyze the formation, persistence, and detection range the condensation trail of an airplane
- Restructured old code to be more readable, modifiable, and incorporable into future projects
- Worked with other groups in order to ensure the specifications and outputs of the algorithms were met and correct
- Participated in an “Intern Innovative Idea Challenge” where interns created, pitched, and developed ideas for products

IBM Watson Health New York, New York June 2016 - August 2016
Summer Intern

- Coded an interactive, searchable database of healthcare-experienced employees within IBM to engender cooperation between them and Watson Health employees
- Interacted with and interviewed medical professionals to understand what features an in-development tool for them to use should include
- Created and edited an internal-to-IBM wiki page for new-hires to answer common questions employees may have on their first day, such as how to order business cards and book flights
- Participated in and placed sixth out of twenty at the IBM Intern Hackathon

RESEARCH

Extreme Sea Level Analysis Venice, Italy May 2017 – August 2017
Independent Research

- Created, analyzed, and compared projections of current 100-year return period sea levels for four major coastal cities
- Computed the relative sensitivity to sea level rise of these four cities

MIT Tasean Group Boston, Massachusetts January 2017 – February 2017
Undergraduate Research Opportunity

- Utilized scattered electron microscopy and sub-pixel image processing to measure the residual stress in materials after undergoing focused ion beam drilling

SKILLS

Programming Languages

- Python, Java, MATLAB, HTML, CSS, JavaScript, PHP, XML

Production Software

- Adobe Photoshop, Adobe Illustrator, Sony Vegas

Computer Software

- UNIX and Windows operating systems experience

Productivity Suites

- Microsoft Office (Word, Excel, and PowerPoint)
- Google Suites

ACTIVITIES

MIT Shakespeare Ensemble

- Stage managed two performances; assistant-produced one performance

MIT Cru

- Participated in various religious retreats and gatherings around Boston