

Hila Gutfreund

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Work Experience

Software Developer at IBM (Israel)

Apr. 2015 – Dec. 2016

- Was in charge of building, testing, and maintaining the user interface for the MobileFirst console, a responsive single page Angular application, as well as working with the design team to develop and implement new features for the console.
- Designed and Developed the front-end of a single-page Angular web application that would alert police officers of impending dangers using real-time video analysis for the WebSphere Incubator Project within the IBM software group.
- Researched, designed, and developed open-source software solutions for IBM Global Business Services Business Analytics and Strategy team.
- Created web-based demo applications of big data and business intelligence solutions for major corporations and clients within the government, insurance, and finance sectors.

Fellow at Israel Tech Challenge (Israel)

Oct. 2014 – Aug. 2015

- Participated in an intensive data science and cyber-security training program in Israel.
- Worked at Intel within the Perceptual Computing group on a body measurement project with 3D cameras.

Technology Intern at The New Yorker

Sep. 2013 – Dec. 2013

- Wrote scripts in Python for automatic data scraping from the database for use in print and digital editions.
- Performed compatibility and performance testing for Goings on About Town app, as well as digital editions of the magazine.
- Collected data from online reviews and analyzed them to understand users' frustration with the app in order to find top priority bug fixes and design flaws within the app.
- Created specification document of database and its functions, to be used for an eventual transition to a new database system.

Research Assistant at Columbia University Computer Science Speech Lab

June 2013 – Sep. 2013

- Assisted in an experiment, conducting tests and analyzing gathered data, which tested the phenomenon of people mimicking each other's speech patterns throughout the course of a conversation by entrainment of pitch and tone for PhD candidate Rivka Levitan.
- Revised Python code of experiment to allow for simpler experiment procedures.

Teaching Assistant for Honors Introduction in Java Class

Jan. 2013 – May. 2013

- Conducted weekly office hours, as well weekly recitation sessions and review session before tests.
- Designed and graded homework, tests, and final projects.

Academic Computing Expert at Barnard Student Computing

Aug. 2012 – Oct. 2013

- Helped fellow students with their computer problems, mainly supporting Macs.
- Facilitated mini sessions with industry professionals from various companies, including Google.

Board Member for Columbia University Women in Computer Science

May 2012 – May 2014

- Organized different programs and events, including the WiCS Mentorship program and trips to technology companies in NYC, such as Google and Yahoo, throughout the year for women in the computer science department.

Education

- MSc in Human Factors and Ergonomics, San Jose State University, Expected graduation May 2019.
- BA in Computer Science, Barnard College of Columbia University, May 2014.
- BA in Modern Jewish Studies, List College of the Jewish Theological Seminary, May 2014.

Technical Skills

Programming languages: Javascript (Frameworks: Angular), HTML/CSS (Bootstrap, SASS), Python, Java
Operating systems: Macintosh, Windows, Linux
IDEs: Visual Code, Eclipse, PyCharm

Additional Information

Fluent English and Hebrew speaker.
Excellent communication and writing skills.