Erica Ram

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Education

University of Alabama in Huntsville

M.S., Computer Science
GPA: 3.42
Expected May 2019

Adelphi University

B.S., Computer Science, Mathematics minor
GPA: 3.76, Magna Cum Laude with Departmental Honors
May 2016

Academic Honors

- Adelphi University Provost Scholarship
- Adelphi University Math and Science Initiative Scholarship
- Adelphi University College of Arts and Sciences Dean's List (Fall 2012 - Fall 2015)
- Adelphi University Computer Science Departmental Honors
- University of Alabama in Huntsville Graduate Fellowship Scholarship

Skills

Languages: R, Java, Python, Bash, Perl, SQL

Other: Git, Github, Data Visualization, Data Analysis, Tableau, Google BigQuery, Google Cloud Storage, Unix/Linux, Android, Confluence

Relevant Experience

The Walt Disney Company   Glendale, CA
Data Science Intern   May 2018 – August 2018
- Addressed strategic and operational business questions by analyzing complex data sets on millions of customers to understand user behavior across the portfolio.
- Communicated key findings to fellow analysts and executive leadership.
- Built predictive models to optimize ad operations.

Adelphi University   Garden City, NY/Remote
Data Visualization Specialist   November 2016 - May 2018
- Designed and developed effective and intuitive interactive visualizations in Tableau.
- Drafted dashboard plots and create static visualizations in R using ggplot2.
- Coordinated with internal clients and database support services to meet visualization and analytics needs.

Microsoft Research   New York, NY
Student Researcher   June 2016 – August 2016
One of eight students out of 100+ applicants selected to participate.
- Learned and used R, Python, and Bash shell to clean, analyze, and visualize data.
- Collaborated as part of a four-person team on a research project using Airbnb data.
- Performed data organization and analysis for review data as part of final project.

Adelphi University   Garden City, NY
Undergraduate Teaching Assistant   February 2016 – May 2016
- Assisted course instructor with class CSC 172: Introduction to Algorithms and Data Structures, taught in Java.
- Provided students with extra help during lab tutoring hours and graded lab exercises.

Projects

Microsoft Research

Airbrb: Predicting Loyalty   July 2016 – August 2016
Airbnb faces unique challenges because unlike traditional industries, this sharing-economy platform relies on the return of both their hosts and guests. Our predictive models show that reviews and interaction between hosts and guests is of great importance, as well as recency/frequency. This project was a collaboration with three other students as part of the Microsoft Research Data Science Summer School.

Presented at:
- Microsoft Research New York on August 5, 2016
- Conference for Digital Experimentation at Massachusetts Institute of Technology on October 15, 2016
- ACM Richard Tapia Celebration of Diversity in Computing on September 21, 2017
  - 3rd Place – ACM Richard Tapia Celebration of Diversity in Computing Poster Competition