Alison Stiel

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EDUCATION

Binghamton University, State University of New York   Expected May 2018
Bachelor of Arts in Mathematical Science, Minor in Computer Science   Cumulative GPA: 3.37/4.00 | Dean's List Spring 2017

SKILLS

Languages: Ruby, Java, Python, SQL, Javascript, HTML/CSS, C, C++, LC3 Assembly
Tools and Software: Rails, Django, Backbone, Postgres, nvd3, Git, Bitbucket, Jenkins, JIRA, Bootstrap, Google Analytics, InVision, LaTex
Advanced written and spoken Hebrew

PROFESSIONAL EXPERIENCE

Blue Apron Inc., Engineering Intern   New York, NY- **June-August 2017**
- Implemented features on company website within Rails and Backbone.js applications to enable user-specific data attribute modeling
- Constructed new back-end code to more efficiently generate dynamic XML of Blue Apron recipe information which allowed Facebook to automatically parse and create new user-specific advertisements daily
- Configured front-end of website to report user conversion data to Google Tag Manager in order to improve company analytics
- Coordinated regularly with marketing and data analytics teams to ensure features would be cross-functional
- Scripted clean and efficient code in large company codebase, and refactored old company code to be more methodical
- Shipped code according to company's development workflow using GitHub, JIRA, and Jenkins

Greystone Labs at Greystone Co., Software Development Intern   New York, NY- **June-August 2016**
- Parsed through mortgage loan company's data pulled from Salesforce and wrote complex queries using PostgreSQL
- Developed a dynamic web application for client use from back-end to front-end
- Organized database into tables and views for application's use and wrote code according to MVC structure using Django
- Applied nvd3 charting libraries within the Django template to create the charts and graphs
- Utilized Bootstrap to ensure a simple and sleek front-end, Bitbucket to push and save code, and Heroku to deploy

Yudek, Inc., Social Media Intern/Street Team Leader   Warren, NJ- **May-August 2015**
- Conducted research on Internet trends and websites for the betterment of the company's product
- Documented and organized findings in spreadsheets
- Administered company's various social media presences and kept them updated and relevant using Buffer
- Corresponded closely with both company's founder/CEO and technical founder in order to be best familiarized with start-up culture

PROJECTS

Java Development (CS 373)   **February 2017**
- Simulated a deterministic finite autonoma with Java, complete with state and transition logic
- Configured program to read and parse files in order to set the DFA's rules
- Enabled program to prompt user for a binary string, and then return whether the DFA accepts or rejects the string, at at what state location the string is accepted or rejected

Java Development (CS 140)   **December 2016**
- Developed an Assembler application using Eclipse that assembles, loads, executes, and steps through files containing assembly code
- Designed GUI to feature drop-down menus, values for instruction pointer, memory base, and accumulator
- Constructed columns in GUI to display 2048 rows of loaded code memory, and columns to display 2048 rows of data memory, where data is visually stored and displayed in real-time as the application steps through the loaded code instructions

Python Development (CS 110)   **December 2015**
- Created a Hangman game in GUI (Tkinter) using Pycharm featuring clean layout and a simple interface
- Comprised of a Word class that utilizes Sqlite to select from a database of 500 words, and a Game class that integrates the rules
- Programmed an additional HangmanGUI class to set up the GUI's buttons, entry boxes, and changing labels, and link the GUI to the logic classes, with exception handling and warnings implemented throughout

RELEVANT COURSES

Computer Science: CS 110: Programming Concepts and Applications (Python), CS 120: Computer Systems & Machine Org (Assembly and C), CS 140: Programming with Objects (Java), CS 240: Data Structures & Algorithms (C++), CS 373 : Autonoma Theory & Formal Languages (Java and Jflap)
Mathematical Science: MATH 330: Number Systems and Theory, MATH 304: Linear Algebra, MATH 375/437: Complex/Real Analysis, MATH 371/472: Ordinary/ Partial DiffEq

LEADERSHIP AND INVOLVEMENT

Women in Technology at Binghamton, Leadership Team Member   **September 2016 – Present**
Kaskeset A Cappella, Executive Board Member, Musical Director   **September 2014 – Present**
Binghamton University Harpur Chorale/Chamber Singers, Member   **September 2016 – Present**
Chabad House at Binghamton, Event Coordinator and Regular Volunteer   **September 2014 – Present**