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++,
Tools and Software: Rails, Django, 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**
· Enabled user-specific data attribute modeling by implementing features on company website within Rails and Backbone.js applications
· Allowed Facebook to more efficiently create daily user-specific recipe advertisements by writing code to generate dynamic recipe XML
· Improved customer onboarding analytics by configuring front-end code to report user conversion data with Google Tag Manager·
· Ensured cross-functional features by coordinating biweekly with marketing and data analytics team leaders
· Scripted clean and efficient code in large company codebase and refactored stale company code to be more methodical
· Shipped production code according to team's agile development workflow using GitHub, JIRA, and Jenkins

Greystone Labs at Greystone Co., Software Development Intern   New York, NY- **June-August 2016**
· Built web application from back to front-end that displays the progress of all company loans using Django
· Displayed hundreds of loans by parsing through company's data pulled from Salesforce and writing complex queries with Postgres
· Organized database into tables and views for application's use and wrote code according to MVC structure
· Created unique and dynamic graphs to represent each loan's progress by applied nvd3 charting libraries within the template
· 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 upcoming technologies and internet trends for the betterment of the company's product
· Documented and organized findings in spreadsheets
· Administered company's various social media presences and kept them current and relevant using Buffer
· Corresponded closely with both company's founder/CEO and technical founder in order to be best familiarized with startup culture

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PROJECTS

Java Development (CS 373)   **February 2017**
· Constructed a deterministic finite automata with Java with state and transition logic that reads 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
· 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
· Constructed easy-to-use game by utilizing Sqlite to select from a database of 500 words, classes to integrate game rules and configure GUI's buttons, entry boxes, and changing labels, and exception handling

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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 : Automata 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

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LEADERSHIP AND INVOLVEMENT

Women in Technology at Binghamton, Leadership Team Member   **September 2017 – Present**
Binghamton University Harpur Chorale/Chamber Singers, Member   **September 2016 – Present**
Kaskeset A Cappella, Executive Board Member, Musical Director   **September 2014 – Present**
Chabad House at Binghamton, Event Coordinator and Regular Volunteer   **September 2014 – Present**