Arielle Chapin

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EMPLOYMENT

Microsoft
Summer 2015

Frontend Intern
Designed and implemented interfaces for two different projects. **Mocked up, tested, and iterated** on multiple versions of each design over 3 months. **Coded** much of each design throughout, including **features** such as reorganization through **drag-and-drop**, a **Twitter stream**, and **data visualization**.
Relevant Skills   *UI, UX, C#, XAML*

Brown University
2014-2015
3 semesters

Computer Science Teaching Assistant
Helped students learn basics of programming for multiple courses. Taught python, MATLAB, and web development. Currently a TA for the User Interfaces course.
Relevant Skills   *UI, HTML, CSS, JS, AngularJS*

PROJECTS

Class Project
Spring 2015

Autocorrect
Developed a single-page **web app** that takes input and produces autocorrected suggestions. **Parsed a text file into a trie** as a dictionary. Used parameters such as **Levenstein Edit Distance** to find the best suggestions. Did all suggestions calculations on the **Java** server. Have since developed this into a simpler lightweight **jQuery plugin**.
Relevant Skills   *UI, HTML, CSS, JS, jQuery, Java*

Class Project
Spring 2015

Interactive Storytelling Experience
Developed a **platform** with partners for making interactive experiences using **jQuery** and **Java**. Includes a **web app** for creating scenes and a server that **stores scenes as objects**, **presents scenes**, **saves state**, and connects a new **database** for scores.
Relevant Skills   *UI, HTML, CSS, JS, jQuery, Java*

Personal Project
Fall 2015

Mosaic
An **object-oriented jQuery plugin** where the user lists elements to be laid out in some grid, which are read in by the plugin and **dynamically laid out** based on the best fit or a specified position. Performs calculations on a **multidimensional array** to determine the first best spot for each element around pre-positioned ones.
Relevant Skills   *UI, HTML, CSS, JS, jQuery*

Class Project
Spring 2015

Maps
Developed a **web app** that provides core "maps" features with a partner. Read map data from an **SQL database** and built it into a **graph structure**. **Designed/developed an interface** for the user to interact with the map and find directions (found using **A***).
Relevant Skills   *UI, HTML, CSS, JS, jQuery, Java*

Hack@Brown
2014-2015

Developer
Frontend developer and designer for Hack@Brown. Developed **registration flow**.
Relevant Skills   *UI, HTML, CSS, JS*

EDUCATION   GPA: 4.0

Brown University   Class of 2017

Sc.B. Computer Science (Ongoing)

Classes Include   *Software Engineering, Computer Systems, User Interface Design*

SKILLS + INTERESTS

Coding   HTML, CSS, JS (JQuery, AngularJS), Java, C

Design   User Interface/Experience Design, Illustrator, Photoshop, Photography