

Christopher Chen

christopher_chen@brown.edu | 5954 Star View Dr. Broomfield, CO 80020 | (720) 285-5637
<https://github.com/chrisMYchen> | <https://chrismychen.github.io>

EDUCATION

Brown University, Sc.B Applied Math – Computer Science

Providence, RI

Cumulative GPA: 3.7

Expected Graduation May 2019

Courses include: Design and Analysis of Algorithms (CSCI157), Introduction to Software Engineering (CSCI0320),
Monte Carlo Problems Application to Finance (APMA1720), Honors Linear Algebra (MATH0540)

TECHNICAL SKILLS

Languages: Java, Javascript, Python, MATLAB, HTML, CSS, PHP, MySQL, Functional Programming (Racket, Pyret)

Frameworks/Libraries: React.js, Redux.js, SASS, jQuery, Node.js

Concepts/Tools: Agile, Data Analysis/Cleaning, Git, Unit Testing, Azure web services deployment

INDUSTRY EXPERIENCE

CA Technologies/Rally Software

Boulder, CO

Software Engineer

June 2016 – September 2016

- Architected and built site visual performance benchmarking tools with Webpagetest, StatsD, Docker, InfluxDB, and Grafana for CA Agile Central's production pipeline to maintain accountability and aggregate data on performance for 118 pages and 30+ person engineering team.
- Designed and implemented reusable React.js components for in workflow pop out editor to reduce unnecessary page navigation, accounting for over 2s in saved time on most heavily trafficked pages.

University of Colorado Anschutz

Aurora, CO

Research Assistant

June 2015 – September 2015

- Quantified 4 weeks of consecutive rat activity after epileptogenesis working under the President of the American Epilepsy Society through minute behavioral observations in order to determine effectiveness of Ruxolitinib drug delivery.
- Presented and synthesized statistical analysis of Ruxolitinib drug delivery to highlight key epilepsy indicators and propose potential treatment avenues through academic paper and presentation at symposium with over 20 leading scientists.

PROJECTS

MixMatch – Spontaneous experience discovery startup

Boulder, CO

Product lead and developer: Link to demo <https://www.youtube.com/watch?v=bgkSFetyuf0>

June 2016 - September 2016

- Designed and executed native Android mobile user interface for MixMatch's event discovery platform to curate a seamless user experience finding and creating in the moment activities.
- Translated market research and customer feedback from iterative customer interviews into implemented features and design to win Startup Summer Colorado's 3rd place prize.

TRTL – Location based social media, CSCI0320 Term Project

Providence, RI

Lead developer: <https://trtlapp.com>

Feb 2016 - June 2016

- Lead design for UI interaction and responsive/mobile design. TRTL collected over 200 posts at Brown in first week of beta launch.
- Orchestrated user creation and posting system through Spark Web (Java) to create and retrieve user data with SQLite/SQL.
- Designed and implemented ranking algorithm to provide relevant posts based on location, upvotes, friends, and time.

Tweather – Twitter based crowd-sourced weather forecast, HackHarvard

Providence, RI

Project Lead: <http://tweather2.azurewebsites.net/tweather>

November 2015 - June 2016

- Led team of two to provide a human-centric metric of the current weather in the area based on Tweets with Twitter's API.
- Oversaw server-side Python core in conjunction with Flask, HTML, and Javascript to evaluate Tweets based on sentiment analysis and visualize them on Google Maps to produce an intuitive application for understanding the weather.

AWARDS/ACTIVITIES

Activities: Let's Talk China President and Founder, Brown Trading Club Strategies Researcher, Alef Beats (a capella) member

Awards: 2015 Colorado Calculus Bowl 1st Place winner, 2015 Colorado ARML B Team Captain, 2014/2015 AMC12/AIME top scorer