RYAN CHAU

rchau@nyu.edu • (516) 423-6046 • New York, NY • rchau0623.github.io • github.com/rchau0623 • linkedin.com/in/rchau0623

EDUCATION

New York University   **New York, NY**
Bachelor of Arts in Mathematics and Computer Science   September 2015 — May 2018
- **Relevant Coursework:** Abstract Algebra, Partial Differential Equations, Data Structures, Real Analysis, Computer Systems, Discrete Mathematics, Operating Systems, Algorithms, Theory of Probability, Algorithmic Problem Solving, Numerical Computing, Applied Internet Technology, Machine Learning, Database Design and Web Implementation, Open Source Software Development, Software Engineering

Stony Brook University   **Stony Brook, NY**
Bachelor of Science in Applied Mathematics and Statistics, and Computer Science   August 2014 — May 2015
- **Relevant Coursework:** Philosophical Engineering, Calculus III, Linear Algebra, Ordinary Differential Equations

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, Python, SQL, C, C#, MATLAB, HTML, CSS
- **Framework & Tools:** Node.js, MongoDB, MySQL, MySQL Workbench, SQLite, scikit-learn, Angular, MEAN Stack, React, Typescript, LAMP stack, pandas, LaTeX, Git, Agile Development (Scrum), VBA, Processing, Unity, Excel, Pivot Tables, Linux, Photoshop

PROFESSIONAL EXPERIENCE

New York City Department of Transportation   **New York, NY**
Office of Records Management Intern   June 2017 — September 2017
- Used VBA to recompile antiquated Excel spreadsheets of 60,000 records for legibility and versatility.
- Entered and categorized data from records across every department within the Department of Transportation.
- Organized records for legal disposal and reclassified any older records that lacked or contained inaccurate metadata.
- Attended meetings regarding transitioning information management systems as a technical consultant

Fuhu Inc. (**Mazarine nabi cares**)   **El Segundo, CA**
Data Analyst Intern   June 2015 — July 2015
- Analyzed call volumes to render predictive charts used in managing limited resources.
- Used pivot tables to generate weekly reports that kept metrics on resource utilization and case content.
- Led the formulation of a cohesive internship program as the first intern.

Nina Footwear Corp.   **New York, NY**
Sourcing and Production Intern   July 2013 — August 2013
- Assisted in the structuring of an organization system for files, samples, and resources.

PROJECTS

Stwickers *https://github.com/rchau0623/Stwickers*   Summer 2018
JavaScript, Node.js, Express, React.js, GatsbyJS, HTML, CSS, MongoDB, REST API
- Built a mock store that sells stickers based on Twitch.tv emoticons using JavaScript and React.js with GatsbyJS.
- Set up a basic Node.js server to function as a REST API for the client application.
- Uses MongoDB to query store data and store order data.

Smoodify *smoodify.herokuapp.com*   Spring 2018
JavaScript, Node.js, Express, AngularJS, HTML, CSS, MongoDB, Passport.js, Spotify Web API, Brain.js
- Building a music streaming application that dynamically understands the user's mood and generates a playlist based on it.
- Users can create profiles, connect their Spotify accounts, and use the application to play music.
- Plan to implement a neural network for the purposes of mood classification.

RealFakeChairsDotCom *https://github.com/rchau0623/RealFakeChairsDotCom*   Fall 2017
JavaScript, Node.js, Express, HTML, CSS, MongoDB, handlebars, Passport.js, Stripe API
- Built a website for a mock online chair company using JavaScript and the Express module.
- Utilized HTML, CSS, and handlebars to build the user interface.
- Stores and queries product and user data in MongoDB.

Blackjack *https://github.com/rchau0623/Blackjack*   Fall 2017
JavaScript, Node.js, Express, HTML, CSS
- Created a player vs. CPU game of blackjack using JavaScript and DOM manipulation.
- Utilized HTML, CSS, and handlebars to build the user interface.

Err… Platforms… *https://github.com/rchau0623/Err...Platforms...*   Fall 2017
Unity, C#
- Created a 2D two-player fighting game in Unity. The objective is to squish the other player by pushing floating platforms into them.

OTHER SKILLS

- **Professional Skills:** Customer Relations, Records Management