

# RYAN CHAU

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## EDUCATION

### New York University

*Bachelor of Arts in Mathematics and Computer Science*

New York, NY

September 2015 — Present

- **Expected graduation:** 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

*Bachelor of Science in Applied Mathematics and Statistics, and Computer Science*

Stony Brook, NY

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, AngularJS, Mongoose, MongoDB, MEAN Stack, MySQL, MySQL Workbench, SQLite, handlebars, LaTeX, Git, Agile, Scrum, VBA, Processing, Unity, Excel, Pivot Tables, Linux (Ubuntu), Photoshop

## PROFESSIONAL EXPERIENCE

### New York City Department of Transportation

*Office of Records Management Intern*

New York, NY

June 2017 — September 2017

- Worked under the Department of Litigations in the Office of Records Management.
- Used VBA to recompile large, antiquated spreadsheets into Excel 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)

*Data Analyst Intern*

El Segundo, CA

June 2015 — July 2015

- Worked under the Innovations and Customer Service Departments.
- 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.

*Sourcing and Production Intern*

New York, NY

July 2013 — August 2013

- Worked under the Sourcing and Production Department of Children Apparel and Accessories.
- Assisted in the structuring of an organization system for files, samples, and resources.

## PROJECTS

### Smoodify [smoodify.herokuapp.com](https://smoodify.herokuapp.com)

Spring 2018

*JavaScript, Node.js, Express, AngularJS, HTML, CSS, Mongoose, MongoDB, Passport.js, Spotify Web API*

- 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

Fall 2017

*JavaScript, Node.js, Express, HTML, CSS, Mongoose, MongoDB, handlebars, Passport.js, Stripe API*

- Building a website for a mock online chair company using JavaScript and the Express module.
- Utilizing HTML, CSS, and handlebars to build the user interface.
- Employing Mongoose and MongoDB to store and query product and user data.

### Supercilious Scoundrel

Fall 2017

*Processing, Java*

- Created a platforming game in Processing. The objective is to collect honey while avoiding being stung by bees.

## OTHER SKILLS

- **Professional Skills:** Customer Relations, Records Management
- **Languages:** English (native), Mandarin (native), Spanish (intermediate proficiency)