

# Aansh Shah

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## Education

**Brown University**, Sc.B. Applied Math-Computer Science (GPA: 4.0)

**Graduation:** May 2019

**Recent coursework:** Object-Oriented Programming, Data Structures and Algorithms, Discrete Structures/Probabilities, Linear Algebra, Honors Multivariable Calculus

## Developer Experience and Independent Projects

**Full-Stack Developer at Crowdfound**, New York, NY

**Summer 2016**

- Developed a video-based networking platform using Django, Javascript, HTML and CSS.
- Created software to automatically generate thumbnails and worked on an instant messaging platform using websockets.
- Used Amazon S3 for media storage and hosted the web application on Amazon EC2 instances.

**Fantleague** ([thecustomleague.com](http://thecustomleague.com))

- Created a customizable fantasy sports league with Django and MySQL on Amazon EC2, where users are able to create profiles for players, set duration of league, and assign ratings for each player.
- Implemented a round-robin algorithm to efficiently generate unique match-pairings and an easy to use interface.

**Expense Assistant**

- Created a skill for Amazon Alexa using Node.js that keeps track of a user's expenses that interacts with the Google App Scripts.

**Babify, Google Chrome Extension**

- Used Dictionary API to develop an extension in Javascript that changes a word to a synonym when clicked.

## Research Experience

**Universal Programming of Devices Research Group at Brown University** ([upod.io](http://upod.io))

**2015-Present**

- Helped design user interface for IFTTT that was used to aggregate user preferences for Trigger Action Programming devices in Smart Homes.
- Gathered personalized data on user preferences for device and recipe automation in Smart Homes.

**Sticks and Stones May Break My Bones: Middle School Students' Perceptions of Bullying**

**2014-2015**

- Study ( $N=259$ ) explored the interaction between the gender of the bully and the victim, as well as the impact of type of bullying behavior on the perceived aggression of a bully and the punishment given to him or her.
- Awards: 1<sup>st</sup> place American Psychological Association and Finalist in Fair at INTEL International Science and Engineering Fair

## Skills

**Languages:** Python, Java, Javascript, jQuery, HTML, CSS

**Frameworks:** Django, Bootstrap

**Services:** Amazon S3, Amazon EC2, Amazon Lambda, Google App Scripts

## Interests, Activities, Volunteering

**Game Craft Charity, Founder**

**2011-Present**

- Organized charity events/drives and collected over 2,000 videogames for underprivileged children

**Rhode Island Urban Debate League, Coaching Assistant**

**2015-Present**

- Teach Policy Debate to underprivileged students in Providence as a form of social justice and empowerment

**Legislative Researcher for NYS Assemblywoman Schimel and Intern for Assemblyman Lavine**

**2013-2015**

- Helped design legislation: tax credits for alternative energy use and provide further safety for state life guards while working with environmental and health safety lobbyists