

# Amal Nazeem

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GitHub: [TomatoToaster](#)

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Website: <https://tomatotoaster.com>

## Education

**Northeastern University:** Boston, MA

**Sept 2015 – Dec 2018**

*Bachelor of Science in Computer Science and Mathematics*

Coursework: Computer Graphics, Programming Languages, Object Oriented Design, Algorithms, Database Design  
Cryptography, Advanced Linear Algebra, Group Theory, Real Analysis, Complex Analysis

## Skills

Languages: **Proficient:** JavaScript(ES6), Ruby, Java, Racket, HTML/SCSS, SQL **Familiar:** Python, R  
Frameworks/APIs: React, Redux, Node.js, Nightwatch.js, Express.js, Webpack, MySQL, Reddit API, Maps API  
Operating Systems: Mac OS, Windows, Linux (Ubuntu, Raspbian)  
Misc. Software: Vim, VS Code, Eclipse, IntelliJ, Google Cloud, AWS, Postman, LaTeX, Sketch, Aseprite

## Work Experience

**Intuit (TurboTax):** San Diego, CA

**July 2017 – Dec 2017**

*Product Manager/ Software Engineer: Consumer Group STAR/DNA Team*

- Drove TurboTax Shared Global Navigation improving cross team development efficiency by 66 percent
- Redesigned and roadmapped TurboTax Bookmarks feature improving customer impact and feedback
- Defined Mint user survey to understand customer interest in TurboTax and competing tax software
- Wrote reusable React modules for TurboTax's Visual Refresh and published to npm registry for cross team use
- Implemented A/B testing using Wasabi framework for detailed analytics on bold new cross platform feature
- Rewrote front-end testing for TurboTax Start Experience using Nightwatch to vastly improve deployment time

**Northeastern University:** Boston, MA

**Sept 2016 – Dec 2016**

*Course Assistant: Fundamentals of Computer Science I*

- Mentored peers/students in systemic problem solving, functional programming, and client-server architecture
- Acted as intermediary between students and professors for questions and concerns

## Projects

**Virtual Reddit ([reddit360.com](#) and [On Github](#)):** Reddit Browsing through VR

**May 2019 – Present**

*React 360, Redux, Reddit API, Node.js, Google Cloud*

- Utilized React 360 to create smooth 3D user interface accessible on VR headsets and mobile phones
- Managed state changes across 3 screens using Redux pattern with Thunk Middleware for asynchronous actions
- Created custom wrapper functions to leverage Reddit API and prepared for proxy and caching of images

**Pick4Me ([On Github](#)):** Polling for Quick Questions

**Jun 2018 – Feb 2019**

*Node.js, Express, React, MySQL, Google Cloud Tools*

- Designed application to focus on utility to user while avoiding addictive social media tendencies
- Utilized Webpack to set up lightweight development environment and ESLint to enforce structured coding style
- Leveraged Express & MySQL to create backend API and React & Semantic-UI to create seamless experience

**Bathroom Status ([On Github](#)):** Google Assistant App for Bathroom

**Jun 2018 – Jun 2018**

*Node.js, Google Actions API, Google Cloud Tools*

- Developed Google Action so that bathroom availability is visible through any Google Home/Assistant device
- Used Google Cloud Tools to host application as inexpensive serverless Function

**Food Viola ([foodviola.tomatotoaster.com](#)):** Food Violation Mapping in Boston

**Mar 2018 – Jun 2018**

*R, Node.js, Maps API, Bash, Google Cloud*

- Used Google Maps JS API to visualize and categorize food inspection violations in Boston
- Wrote bash and R scripts to periodically download and parse data from data.boston.gov into Google Cloud VM

## Interests

Traveling (Barcelona, Paris, Nice, Nova Scotia, Bahamas, India), Pixel Art, Game Dev, International Novels/Film