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), Java, Racket, HTML/SCSS, SQL **Familiar:** Python, R, Bash
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