Abizar Bagasrawala

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📖 EDUCATION

Northwestern University (GPA: 3.9), Evanston, IL   2016 – Present

- Bachelor's in Computer Science with Segal Design Certificate, Expected June 2020.
- **Teaching Assitant** / Human Computer Interaction, Fundamentals of Computer Programming
- **Programming Coursework** / Software Innovation (React, React Native, GraphQL, MongoDB), Databases (SQL, PERL), AI (Python), ML (Python), Game Development (C#), HCI (HTML, CSS, JS), Algorithms
- **Design Coursework** / Visual Communication Design, Service Design Studio, Information Design

🧠 SKILLS / (Web Development) React, React Native, Vue, GraphQL, Rest APIs, SCSS, PostCSS, Advanced CSS, Grunt, Webpack / (Languages) ES6 JavaScript, Python, C++, C# / (Design) Adobe Suite, Figma, Invision, Sketch

💼 EXPERIENCE

Front-end Engineer / ISO Athletic (Student-run Software for Basketball Stat Tracking)   April 2018 – Present

- Built production web app in Vue.js for 8 NCAA Division 1 Basketball Teams. Created 10+ Vue components myself integrated with VueX, SCSS and PostCSS, tested for 0 bugs in SonarQube.
- Designed wireframes and pixel-perfect prototypes for entire app. New UX increased client conversion rate 2X including onboarding 2018 college basketball champions University of Villanova.

Software Engineer / Oscillations (Dance Animation)   June 2018 – Present

- Established software architecture for AR image-tracking app using React Native + ViroReact. Built MVPs with 5+ different architectures in agile sprints, including ARKit, ARCore, Unity, Vuforia, ViroMedia, and AR.js.
- Exploring computer generated dance by creating a pipeline to rearrange keyframes using Unity, C# and Maya.

Front-end Engineer Intern / iNet-Web (Web design and development)   Summer 2018

- Transformed client's BigCommerce website UX by redeveloping a theme in the Stencil theming engine and Node.js. Utilized Handlebars.js and custom CSS.
- Designed a graphic website from ground up using Photoshop, Illustrator, and Sketch that made it to production after undergoing 3 design reviews from manager and client. Prototyped using D3, jQuery, HTML and CSS.

Freelance Developer / Coco Health (Counseling startup at Kellogg MBA School)   Spring 2018

- Created company website with production-level code that helped land initial clients. Product underwent 3 revisions based on client vision and website viewer analytics. / (https://coco-health.github.io/-/)

✎ PROJECTS / (click to open project page)

- **Pollen** / Social polling app for gathering opinions / React Native, GraphQL, MongoDB, ES6
- **Compañero** / Food-sharing app for uberizing the food industry / React, Rest APIs, MongoDB, Maps, Router
- **Design portfolio** / Website showing my UX design projects / SCSS (1000+ lines), HTML, JS
- **Personality Types** / Naive Bayes Classifier (built from scratch) / Python, Pandas, re, NLTK, SciKit
- **Expanded Ideas for Drawing** / Web app for voice-controlled drawing / PaperJS, ArtyomJS