ZACHARY MILROD
SOFTWARE ENGINEER

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EDUCATION

University of Massachusetts, Amherst
B.S. Computer Science 2017
Math Minor
GPA: 3.70

SKILLS

C#, Java, C, Git, Node.js, Javascript, HTML, CSS, AngularJS, SQL, Python, AWS, Docker, React, ASP.NET Core MVC, PostgreSQL, Agile, Scrum, Vue, Terraform, Kotlin, Dropwizard, GraphQL, TypeScript

EMPLOYMENT

TOAST
Software Engineer II
Boston, MA
Apr. 2019 to Apr. 2020
Laid off due to 50% reduction in force, COVID-19
- One of four developers on the Onboarding Journey team tasked with transforming the onboarding experience for new customers at Toast. Reduced the time it takes for a new customer to onboard from a potential opportunity to a fully functional Toast customer and save hours of time Toast employees need to spend in manual work.
- This project went GA to all of our sales org right before I left
- Developed onboarding journey using mainly Kotlin, React, GraphQL, dynamodb with some Node and Java.
- Some major features I helped directly with included self schedule-able appointments, menu upload, guided surveys to replace manual calls with Toast reps, enhancing the restaurant create process.
- My last project with Toast was creating an onboarding portal for Toast and non-Toast customers who wanted to enable curbside pickup and online ordering during this COVID-19 pandemic that was developed in a week of time with another teammate and last heard in the first week of being launched, had helped over 100 restaurants onboard themselves to Toast in this unprecedented time.

CARESTACK
Senior Software Engineer
Cambridge, MA
Sept. 2018 to Dec. 2018
Was apart of a mass layoff of the short lived Cambridge office.
- Lead the development of the project to create a new feature in Carestack (and the dentistry industry!) to automate the insurance eligibility form process to eliminate one of the most painstaking processes in a dentist's office. This is a tedious task that would have saved dentists countless hours and mistakes.
- Developed using ASP.NET mvc with an angular and typescript frontend and a SQL database modeled with Entity Framework.

CIMPRESS/VISTAPRINT
Software Engineer, Vistaprint Corporate Solutions
Waltham, MA
July 2017 to Aug. 2018
- Developed and maintained ProShop, a mass customization e-commerce website streamlined specifically to your company using ASP.NET MVC.

Software Engineer, Omni-channel Experience Team
- One of four developers on team tasked with exploring different channels, other than online, to reach our customers
- We launched the first physical Vistaprint retail store in downtown Toronto, CA and the second presence in a shared workspace also in Toronto.
- Developed employee tools, including a depot system to track customers' orders shipped to store, using ASP.NET Core MVC
- After the first year, the store recorded over a 5% lift in brand presence in the Toronto area.

CIMPRESS/VISTAPRINT
Software Engineer Intern, Fulfillment Optimization Team
Waltham, MA
June 2016 to Aug. 2016
- Created an automated scheduler for Cimpress's factories using Particle Swarm Optimization.
- Developed using C#

UNIVERSITY OF MASSACHUSETTS AMHERST
Teaching Assistant
Amherst, MA
Sept. 2015 to Dec. 2015
- Course for undeclared freshmen planning to major in computer science
- Active participant in class offering advice and stories about the computer science major and life on campus

BLACK ROCKET PRODUCTIONS
Assistant Instructor
Freehold, NJ
June 2014 to Aug. 2014
- Traveled to many community colleges across New Jersey where the classes were being held
- Taught students ages 6 - 17 how to build their own websites, video games and apps.

PROJECTS

MINDMAPPER
Oct. 2015
- Similarity networking tool made at 2015 HackUMass III, 1 of 8 finalists out of 69 teams
- User provides text-document as input, which is put through IBM Watson's Concept Insights engine that calculates the high level concepts of the data source. We then feed those concepts and their associated strengths into our similarity algorithm, providing a percentage score of similarity between users
- All information is presented as a similarity graph that provides strength of similarity between users and their matching concepts

NJCHILDNEURO.COM
June 2015 to Aug. 2015
- Developed as a single page web application for a local doctor using HTML, CSS, Bootstrap, and AngularJS. njchildneuro.com provides all the doctor's information needed by patients in an easy-to-use format

AWARDS

UNIVERSITY OF MASSACHUSETTS, AMHERST DEANS LIST HONORS
Fall 2013, Spring 2014, Fall 2014, Spring 2015, Fall 2015, Spring 2016

UNIVERSITY OF MASSACHUSETTS, AMHERST CHANCELLOR'S SCHOLARSHIP