

Varun Narayanswamy

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TECHNICAL SKILLS

Programming Skills: Javascript, Vue.js, Python, Selenium, CSS, HTML, Node.js, gRPC, Docker, Kubernetes, Typescript, MongoDB, Agile, RabbitMQ, S3, Jenkins, Redis, C++, C, Arduino Script, Swift, Assembly

Arduino Skills: Soldering, circuitry, motor work, serial communication

Design Skills: Photoshop, Illustrator, Figma, Invision, Invision Studio, Indesign, Premiere, 3D printing, Laser Cutting, Sound Design

WORK EXPERIENCE

Seagate Technology

May 2019 - September 2022

- *Position:* Computer Engineer 2
- *Overview:* Computer Engineer focused on full-stack development for data management and security
- *Technology:* Javascript, HTML, CSS, Vue.js, Selenium Test Suite, Docker, Kubernetes, Node.js, Rabbitmq, Agile, Figma

CU ATLAS: Laboratory of Playful Computation (Shapiro Lab)

February 2018 - August 2018

- *Overview:* Helped to develop a sports wearable that monitors and displays the player's acceleration data, and created an action classification model using a dynamic time-warping machine learning algorithm.
- *Technology:* Swift iOS application, accelerometer, Bluetooth, machine learning

Mathnasium - Math Tutoring Company

December 2015 - May 2016

- *Overview:* Taught math for students in K-12 from basic counting to Calculus 2.
- *Skills:* managing youths, organization, communication, teaching, algebra to advanced Calculus

EDUCATION

The University of Colorado, Boulder, CO

- Bachelor of Science - Creative Technology and Design
- Minor in Applied Math, Minor in Computer Science
- GPA: 3.681/4.00

PROJECTS

StoryGlow: iOS Mobile Application for Interactive Storytelling

- *Overview:* Capstone project - iOS application to transform a children's room into an interactive scene for storytelling.
- *Technologies:* LIFX lightbulbs, iOS mobile device, Swift iOS development

HeartbeatChecker: iOS Mobile Application for Easy and Accessible Heartbeat checking

- *Overview:* Mobile application that uses iOS video recording and flashlight functionality to check the user's heartbeat
- *Technologies:* iOS mobile device, Swift iOS development, AVFoundation

Internet Accessibility Map

- *Overview:* Visualization done of Meta's internet inclusivity data to compare changes to internet usage in the household to changes in the percent of male-to-female uses
- *Technologies:* ObservableHQ, D3

PROFESSIONAL DEVELOPMENT AND TRAINING COURSES

Creative Technology and Design: 3D Modeling, Physical Computing, Audio Editing,

Photography/digital-art, Graphic Design, Website Design, Mobile App Production Studio, Mobile App 1 & 2, Capstone 1 & 2

Coding: Intro to Computer Science, Data Structures, Computer Systems, Discrete Structures, Human in Computing, Algorithms

Mathematics: Calculus 2, Calculus 3, Differential Equations, Matrix Methods, Applied Probability, Intro Statistics, Markov Chain

EXTRACURRICULAR ACTIVITIES

Umbrella/Black Tie Optional Comedy Improv

August 2017 - August 2018

- *Overview:* Umbrella is an organization that teaches college students how to do improvised comedy. Black Tie Optional is an organization built from the 13th generation of Umbrella, which performs about once a month.
- *Experience:* Improv Comedy, Teamwork, Organization, Recruitment, Scheduling

Boy Scouts of America

August 2011 - April 2016

- Achieved the highest rank of **Eagle Scout** with the Boy Scouts of America

Fairview High School Royal Banner

August 2013 - May 2016

- Editor-in-Chief (August 2015 - May 2016), Staff Member (August 2013 - May 2015)

CU Scholarships

August 2016 - May 2020

- CU Esteemed Scholars-Sewall, Engineering Schlp Fund-EN, BOLD Scholarship, Engineering Honors Program