Varun Narayanswamy

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EDUCATION

The University of Colorado, Boulder, CO   **August 2016 - May 2020**
- BS - Technology Art and Media Major (TAM), Minor in Applied Math, Minor in Computer Science
- GPA: 3.681/4.00

Fairview High School, Boulder, CO   **August 2012 – May 2016**
- GPA 4.286/4.00

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

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

RELEVANT CLASSES & EXPERIENCES

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
Creative Technology and Design Courses: 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 Courses: Intro to Computer Science, Data Structures, Computer Systems, Discrete Structures, Human in Computing, Algorithms
Mathematics Courses: 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