

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 - Current

- Seagate Internship (May 2019 - August 2019)
- Computer Engineer 1 (August 2020 - Current)
- *Overview:* Computer Engineer focused on full-stack development for data management and security
- *Technology:* Javascript, HTML, CSS, Vue.js, Selenium Test Suite

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

Story Glow: 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

The Creeper: Text-based Video Game to teach Cybersecurity

- *Overview:* Created for the Fall 2019 HackCU hackathon. Built gaming engine from scratch with original artwork
- *Technologies:* Soil Saturation and Humidity/Temperature Sensor, Arduino, PCB, RTC, Buzzer, LCD, photoresistor

Stress-Reducing Sleeve

- *Overview:* Wearable sleeve which lights up a pattern for a user to match breath with when their heartbeat is too-high
- *Technologies:* Addressable LED strip, Pulse sensor, Arduino

RELEVANT CLASSES & EXPERIENCES

Programming Skills: Javascript, Vue.js, Python, Selenium, CSS, HTML, C++, C, Arduino Script, Swift, Assembly

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

Design Skills: Photoshop, Illustrator, Indesign, Premiere, Lightroom, 3D printing, Laser Cutting, Sound Design

Technology Art and Media Courses: 3D Modeling (Object), Physical Computing (Form), Audio Editing (Sound), Photography/digital-art (Image), Graphic Design (Text), Website Design (Web), Mobile App Production Studio, Mobile Application 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