

NICHOLAS D. CORRENTE

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EDUCATION DARTMOUTH DUAL DEGREE ENGINEERING PROGRAM

June 2020 **THAYER SCHOOL OF ENGINEERING AT DARTMOUTH COLLEGE** Hanover, NH
Bachelor of Engineering in Computer Engineering
Engineering GPA 4.0/4.0 - Cumulative GPA 3.78/4.0

May 2019 **POMONA COLLEGE** Claremont, CA
Bachelor of Arts in Computer Science
Computer Science GPA 3.84/4.0 - Cumulative GPA 3.71/4.0

RELEVANT COURSEWORK:

Data Structures and Algorithms, Fundamentals of Computer Science, Digital Electronics, Object Oriented Programming, Systems, Distributed Systems and Fields, Discrete and Stochastic Systems, Discrete Mathematics, Multivariable Calculus, Linear Algebra

June 2015 **MOSES BROWN SCHOOL** Providence, RI
United States Presidential Scholar Semi Finalist
ACT Composite: 35/36

SELECTED PROJECTS

Present **WEEKEND REPORT** Hanover, NH
iOS App ~ Coming Soon
• Currently designing and developing an innovative weekend tracking app written in Swift

September 2017 **COLECORRENTE.COM** Providence, RI
Personal Website
• Designed and developed personal website using HTML, CSS, and JavaScript

August 2017 **LED MUSIC VISUALIZER** Hanover, NH
Thayer School of Engineering – Digital Electronics (CoSc 56 – group of 2)
• Designed and developed a digital music visualizer using LEDs
• Implemented the design of digital high, mid, and low frequency filters for an analog audio input
• Programmed the design in VHDL and synthesized onto an FPGA which powered LEDs on a breadboard

SELECTED EXPERIENCE

Summer 2016 **GILBANE BUILDING COMPANY** Boston, MA
Virtual Design Construction Intern
• Designed and developed the Gilbane platform for the Microsoft HoloLens using Unity and C#
• Presented my work during the on-site press release with MIT Tech Review
▪ <https://www.technologyreview.com/s/602124/augmented-reality-could-speed-up-construction-projects>

2010-2017 **COLEINONE** Providence, RI
CEO and Founder
• Produced promotional videos and websites for local and global businesses including but not limited to SquadLocker, City Girl Cupcake, Machine Hero, Metacomet Country Club, and Moses Brown School

2013-2015 **MACHINE HERO** Pawtucket, RI
Videographer and Editing Intern
• Edited promotional videos for Reebok and Roger Williams University School of Law

SKILLS

PROGRAMING LANGUAGES: Java, Swift and iOS, VHDL, SML, C, Matlab, Python, HTML, CSS

VIDEO EDITING AND GRAPHICS: Adobe Premier Pro, After Effects, Photoshop, and Lightroom

CAD AND 3D DESIGN: Autodesk's 3Ds Max and Revit

INTERESTS: Golf, video editing, snowboarding, guitar, and music