NICHOLAS CORRENTE

www.colecorrente.com • GitHub: @colecorrente
7 W Wheelock St, Hanover, NH 03755 • (401) 580-1516 • Nicholas.Corrente.TH@Dartmouth.edu

EDUCATION

DARTMOUTH DUAL DEGREE ENGINEERING PROGRAM

June 2020 — **THAYER SCHOOL OF ENGINEERING AT DARTMOUTH COLLEGE** — Hanover, NH
Bachelor of Engineering: Computer Engineering
Engineering GPA 3.95/4.0 - Cumulative GPA 3.67/4.0

May 2019 — **POMONA COLLEGE** — Claremont, CA
Bachelor of Arts: Computer Science
Computer Science GPA 3.92/4.0 - Cumulative GPA 3.80/4.0

RELEVANT COURSEWORK:
Data Structures and Algorithms, Software Design and Implementation, Computer Systems, Algorithms, Full-Stack Web Development, Object Oriented Programming, Programming Languages, Natural Language Processing, Theory of Computation, Discrete Mathematics, Linear Algebra, Multivariable Calculus

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

SELECTED EXPERIENCE

Summer 2019 — **LAZARD ASSET MANAGEMENT** — New York, NY
Asset Management Technology Intern
- Created a Node.js package for creating Symphony Bots built on Symphony's REST API
  - Written in TypeScript with unit and integration tests using Jest
- Developed an internal portfolio management tool using TypeScript and Angular frontend and a .NET backend
  - Implemented Angular components and services from scratch and used ag-Grid and Highcharts to display critical financial data to investment professionals

Summer 2018 — **COLLEGE PULSE** — Hanover, NH
Software Engineering Intern
- Implemented a survey generation tool from creating a survey from top user questions each day
  - Backend implemented in Express.js and MongoDB using Mongoose
  - Generated surveys approved using Slack DevOps Bot implemented in Node.js using Hubot
- Developed API pagination for the existing REST API using Express.js and implemented React frontend
- Tested and refactored Slack DevOps Bot to improve app efficiency and reliability

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#
  - The platform allows for viewing 3D building models in augmented reality
- 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

SELECTED PROJECTS

June 2018 — **CLASS CONNECT** — Hanover, NH
Web App – Full Stack Web Development (CoSc 52 – group of 5)
- Led the development of a web app to connect classmates during the class selection processes
  - Led the development of the database and REST API in JavaScript using Express.js and MongoDB
  - Contributed to the design and implementation of frontend in JavaScript using React and Redux

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

SKILLS & INTERESTS

PROGRAMING LANGUAGES: Java, JavaScript, TypeScript, C, HTML, CSS, Swift, Haskell, Python, Matlab
OTHER PROGRAMMING TECH: React, Redux, MongoDB, Express.js, REST, GraphQL, Angular 7, Jest, Babel
INTERESTS: Music, Golf, Streetwear, Video Editing, Snowboarding, Travel, and Guitar