NICHOLAS (COLE) 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: Computer Engineering
Cumulative GPA 3.72/4.0 - Engineering GPA 3.93/4.0

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

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, Applied ML, Linear Algebra, Multivariable Calculus

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

SELECT 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
- Developed a full-stack internal portfolio management tool using TypeScript, Angular, and a .NET
- 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# 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

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SELECT PROJECTS

Fall 2019 - Present — **ISNO - SOFTWARE ENGINEERING CONSULTANT** — Hanover, NH
Dartmouth Thayer School of Engineering Capstone Project (ENGS 89/90– group of 3)
- Redesigning and developing full-stack web app for snow making automation
- Building the frontend in JavaScript using React and Redux with Emotion CSS
- Redesigning ASP.NET Framework project into ASP.NET Core REST API using existing Microsoft SQL Server database and Kepware OPC for snow making control

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

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SKILLS & INTERESTS

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