# Noah Covey

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## EDUCATION

**HARVARD UNIVERSITY** *(LEAVE OF ABSENCE, FALL 2020)*                   CAMBRIDGE, MA
APPLIED MATHEMATICS AND COMPUTER SCIENCE                                SEP 2019-PRESENT
- A.B. expected in 2023; 4.00 GPA; Coca-Cola Scholarship, National Merit Scholarship
- Relevant coursework: Functional programming, linear algebra, differential equations, discrete mathematics, multivariable calculus

**DUNWOODY HIGH SCHOOL**                                               AUG 2015-MAY 2019
- 4.43 GPA; SAT: M 800, V 790; Governor's Honors Program in mathematics, Apple WWDC Scholar

## EXPERIENCE

**CARRIER SOURCE (CARRIERSOURCE.IO)**                                            REMOTE
LEAD SOFTWARE ENGINEER                                                  SEP 2020-PRESENT
- Deploying production version of logistics platform using AWS Amplify and Elastic Beanstalk for beta launch of site
- Writing scripts using JavaScript and SQL to parse and upload millions of lines of FMCSA carrier data
- Spearheading implementation of new user and admin features using React.js on frontend and Node.js on backend

**VAYYAR IMAGING**                                                              REMOTE
BUSINESS DEVELOPMENT INTERN                                             SEP 2020-PRESENT
- Meeting with clients to discuss how Vayyar's RF imaging hardware and software can uncover new and actionable insights
- Pitching technology to university faculty for use in cutting edge research

**HSA DEV**                                                              CAMBRIDGE, MA
FULL-STACK SOFTWARE ENGINEER                                              JAN-SEP 2020
- Collaborating with small team to build video-streaming platform for English language learners using React.js
- Improved speed of 275,000-carrier search algorithm from 60 seconds to under 2 seconds using GraphQL API for CarrierSource
- Developed frontend enabling users to manage company profiles, leave reviews, and perform detailed, filtered searches for carriers

## PROJECTS

**50FIFTY (50FIFTY.US)**                                                JUL 2018-JAN 2019
- Co-developed website that uses machine learning model to predict U.S. midterm elections in state legislatures and Congress
- Collected and parsed data including past election results, demographics, and fundraising to train model; 90-95% accuracy in 2018

**DUSKFALL (BIT.LY/DUSKFALL)**                                          MAY 2017-AUG 2018
- Designed, coded, created graphics, and composed music for highly-rated 2D iOS game using Swift and SpriteKit framework
- Published by Nanovation labs, featured on the App Store front page in 154 countries, and received over 75,000 downloads

## LEADERSHIP AND ACTIVITIES

**HARVARD COMPUTER SOCIETY**                                           SEP 2019-PRESENT
- Coding projects using React.js and Scikit-Learn machine learning, including for competitive process of joining the society

**FIRST ROBOTICS COMPETITION TEAM**                                    AUG 2016-MAY 2019
PRESIDENT, CO-FOUNDER, HEAD OF PROGRAMMING
- Led machine vision research, mentored younger programmers, developed team strategy, and planned meetings and fundraisers
- Innovation in Control Award (2018); advanced to World Championship (2017-2019); highest ranked rookie team in the world (2017)

## SKILLS AND INTERESTS

- **Programming languages:** JavaScript, Python, Swift, C, HTML/CSS, SQL, MATLAB
- **Technologies:** Git, AWS, React.js, Node.js, GraphQL, Firebase, relational databases, NoSQL, CI/CD
- **Music:** Classical piano; pianist in Harvard Jazz Combo Initiative; WHRB Jazz DJ; self-taught guitar; songwriting for rock band
- **Language:** Spanish (proficient, scored 5 on AP exam)