Noah Covey

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LinkedIn
Github
Personal site

EDUCATION

HARVARD UNIVERSITY   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

FINX MOBILE   REMOTE
SOFTWARE ENGINEER INTERN   JUL 2020-PRESENT

- Building Node.js serverless backend of peer-to-peer lending app for microloans up to $1000
- Deploying app using AWS Amplify, DynamoDB, and AppSync; integrating ACH payments and KYC verification using Sila API

HSA DEV   CAMBRIDGE, MA
FULL-STACK SOFTWARE ENGINEER   JAN 2020-PRESENT

- Collaborating with small team to build video-streaming platform for English language learners using React.js
- Wrote Node.js API for logistics startup to search over 250,000 trucking carriers, and manage authentication and user data
- Improved speed of carrier search algorithm from about 60 seconds to under 2 seconds using GraphQL and Objection.js
- Developed frontend enabling users to manage company profiles, leave reviews, and perform detailed, filtered searches for carriers

GEORGIA TECH RESEARCH INSTITUTE   ATLANTA, GA
VR RESEARCH INTERN   MAY-AUG 2018

- Contributed to to Unity VR proof-of-concept simulator projects for clients such as Department of Defense and CDC epidemiology

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, 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); 1st place at Dalton competition (2018); advanced to World Championship (2017-2019); highest ranked rookie team in the world, 51st out of 3000+ teams (2017)

SKILLS AND INTERESTS

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