

NOAH COVEY

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EDUCATION

Dunwoody High School

GPA: 4.41/4.0

Atlanta, GA

Aug 2015 – May 2019

SAT: 1590 single sitting (800M, 790V); SAT Subject Tests: Math II: 800, Chemistry: 780

Select Courses: Georgia Tech Linear Algebra, Georgia Tech Multivariable Calculus, AP Calculus BC (5), AP Physics 1 (5), AP Physics 2 (5), AP Chemistry (5), AP Spanish (5), AP World History (5), AP Psychology (5), AP Language (5), AP Calculus AB (5), AP U.S. History, AP Music Theory, AP Macroeconomics

WORK EXPERIENCE

OurVoteNow

Volunteer Technology Intern

Atlanta, GA

Aug 2018 – Present

- Developing and programming interactive custom tools, designing website, and optimizing social media to encourage young people to register and vote. ([link](#))

Georgia Tech Research Institute, Information and Communication Lab

Research Intern

Atlanta, GA

Jun 2018 – Jul 2018

- Contributed to VR projects in development for military and CDC clients.
- Researched AI planning systems and augmented reality in Unity using ARKit. Developed AR app demonstrating planning system capabilities. ([link](#))

Quantum Cat Games

Founder; Game Developer

Atlanta, GA

Dec 2015 – Present

- Designing, coding, making graphics, composing music, and marketing for 3 mobile games with over 75,000 downloads. (see Projects).

Ascent Math

Co-Founder; Math Tutor

Atlanta, GA

Sep 2015 – Present

- Creating marketing materials, managing finances, and developing curriculum. ([link](#))
- Teaching summer math review sessions and tutoring subjects during school year, for 100+ students.

EXTRACURRICULARS

FIRST Robotics Competition Team

Co-Founder; Team President and Head of Programming

2016 – Present

- Developing team strategy, programming robot, planning and leading meetings, supervising team branches, planning fundraising events, and recruiting new members. ([link](#))
- Innovation in Control Award for programming; 1st place at Dalton Competition; Advanced to State and World Championships; Highest ranked rookie team in the world (53rd overall out of 3,000+ teams); Quality Award.

50Fifty

Co-Founder; Developer

2018 – Present

- Collaborated to develop website displaying U.S. election predictions at all levels of government. ([link](#))
- Forecasting is based on machine learning model using data including past results, demographics, fundraising, and incumbency.

Math Team

Secretary

2013 – Present

- 9th in Creekview Competition, top 5% in KSU Competition, advanced three times to 2nd round

Tennis Team, Varsity and JV

MVP Award (2016)

2015 – Present

Cross Country Team, Varsity and JV

Championship Team Member, 3 Varsity Letters, Unsung Hero Award (2018)

2016 – Present

VOLUNTEER EXPERIENCE

- Co-Founder of ESOL Math Tutoring Program** 2017 – Present
Teaching algebra to new immigrant students in ESOL classes, and assisting them in completing classwork and homework.
- Rock Band Performances** 2011 – Present
Performing as keyboardist and backup vocalist with *Lucy and the Glassmen* at local, charity, and school events. Writing and recording original and cover songs.
- Volunteer Piano Performances** 2015 – Present
Entertaining residents of local senior centers by playing piano at special events.
- Service Clubs and Honor Societies** 2015 – Present
Volunteering at local events such as Blood Drives and Atlanta Food Bank with National Honor Society, Science Honor Society, and Beta Club. Mentoring elementary school robotics students with FRC Robotics team.
- Summer Camp Counselor** 2013 – 2016
Volunteer counselor at art, science, and sports summer day camps.

AWARDS AND SPECIAL PROGRAMS

- National Merit Finalist** Feb 2019
- U.S. Presidential Scholars Candidate** Jan 2019
- Governors Honors Program, Berry College, GA** Jun – Jul 2017
Participated in highly selective, rigorous month-long program for mathematics. Studied number theory, algorithms, and topology.
- Apple Worldwide Developers Conference (WWDC), San Jose, CA** Jun 2016, 2017
Awarded student scholarship to attend WWDC. Networked with app developers from around the world and learned about new technologies available to developers.
- GA State Technology Competition, 1st Place** Feb 2017
1st place at county and state levels in Digital Games category for creation of Duskfall.
- YOU Awards International, Technology Award** for creation of FlyFall. May 2016

PROJECTS

- Gravity Dunk** *Swift, Xcode* 2018
Sci-fi themed game in which players must flip gravity to maneuver their ball through as many hoops as possible while avoiding constant obstacles. Currently in discussion with publishers. ([link](#))
- Noah's A.R.C.** *C#, Unity 3D, ARKit* 2018
Implemented interactive AI planning system within augmented reality mobile app. ([link](#))
- Connect4 Analysis** *Java, Swift, SceneKit, Xcode* 2017
Developed novel strategy that guarantees a win and programmed simple AI agent. Studied implications of different board sizes and a 3D board. ([link](#))
- Duskfall** *Swift, SpriteKit, Xcode* 2016 – 2017
Peaceful 2D game published by Nanovation Labs. Featured in 154 countries on the front page of the App Store and has received over 75,000 downloads. ([link](#))
- FlyFall** *Swift, SpriteKit, Xcode* 2015 – 2016
2D mobile game that relies on accelerometer skills and allows detailed player customization. ([link](#))

SKILLS AND INTERESTS

- Programming: Swift, Java, Python, C#, HTML, CSS, JavaScript.
Specialty Software: Xcode, Unity 3D, Inkscape, Eclipse, GarageBand, Final Cut Pro, Git.
Music: Piano (13 years training), Guitar (self-taught), Keyboardist in rock band.
Spanish Language: Proficient; traveled to Spain to immerse in Spanish culture and language.
Web Design: Designed and coded websites for [myself](#) and [robotics team](#).