

## Profile

### Personal Information

**Name** Boyer, Andrew *Stephen*  
**Share different name** No  
**Birthdate** 09/21/2003  
**Pronouns** He/Him  
**Gender Identity** Male

### Contact Details

**Email, Phone** asboyer@gmail.com, +1.617-433-8537, Mobile, No other telephone  
**Permanent Address** 31 Covered Bridge Ln Wayland, MA, 01778-3854, USA

### Demographics

**Sex** Male  
**Military Status** None  
**Hispanic or Latino/a/x** No  
**Race** White (Europe)

### Language

**English** First Language, Speak, Read, Write, Spoken at Home  
**Mandarin** Speak, Read, Write

### Geography and Nationality

**Citizenship Status** U.S. citizen or U.S. national  
**Birthplace** Cambridge, Massachusetts, United States of America (17 Years US, Years Non-US)

### CA Fee Waiver

**Fee Waiver Requested** No

# Family

## Household

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**Parents** Married  
**Home** Both Parents

## Parent 1

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### Mother

**Name** Mrs. Ashley F Boyer  
**Email, Phone** afboyer@gmail.com, +1.617-458-0206, Mobile  
**Occupation** Homemaker (full-time)  
**Education** Graduated from college/university  
Bachelors (1999), **Brigham Young University, Provo, UT, USA**

## Parent 2

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### Father

**Name** Mr. Stephen W Boyer  
**Occupation** Business executive (management, administrator), Employed, BitSight  
**Education** Graduate school  
Masters (2008), **Massachusetts Institute of Technology, Cambridge, MA, USA**  
Bachelors (2001), **Brigham Young University, Provo, UT, USA**

## Siblings

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1. Carson Boyer, Age 15

## Education

### Current or Most Recent Secondary School

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Wayland High School, Wayland, MA, USA, Public, CEEB: 222255 (09/2018 - 06/2022)

**Progression** No change in progression

**Graduation Date** 06/2022

### Colleges & Universities

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### Grades

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**Rank** na / 196

**GPA** 3.865 / 4 , Unweighted

### Current or Most Recent Year Courses

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First Quarter	Second Quarter	Third Quarter	Fourth Quarter
PHYS - Advanced Placement Physics - (AP)	PHYS - Advanced Placement Physics - (AP)	PHYS - Advanced Placement Physics - (AP)	PHYS - Advanced Placement Physics - (AP)
ENG - Advanced Placement English - (AP)	ENG - Advanced Placement English - (AP)	ENG - Advanced Placement English - (AP)	ENG - Advanced Placement English - (AP)
LANG - Honors Mandarin 5 - (HON)	LANG - Honors Mandarin 5 - (HON)	LANG - Honors Mandarin 5 - (HON)	LANG - Honors Mandarin 5 - (HON)
CALC - Advanced Placement Calculus BC - (AP)	CALC - Advanced Placement Calculus BC - (AP)	CALC - Advanced Placement Calculus BC - (AP)	CALC - Advanced Placement Calculus BC - (AP)
COMPSCI - Honors Applied Computer Science - (HON)	COMPSCI - Honors Applied Computer Science - (HON)	COMPSCI - Honors Applied Computer Science - (HON)	COMPSCI - Honors Applied Computer Science - (HON)

### Honors

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Eagle Scout

National

10

<b>Achievement Awards - Best Academic Performance (Honors Mandarin &amp; Honors English 2)</b>	School	9, 10
<b>Xerox Award for Innovation and Information Technology</b>	State/Regional	11
<b>Top 50, picoCTF National Competition (2,250+ teams nationally)</b>	National	11
<b>Gold Division, USACO</b>	National	11

## Future Plans

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Computer programmer or analyst, Doctorate

## Testing

There are no test scores to report.

PREVIEW

## Activities

### Computer/Technology

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10, 11, 12	President, Wayland High School Computer Science Club
School	Lead club in all meetings, programming projects, computer science related lessons, lectures, and preparation for CTFs and coding competitions.
7 hr/wk, 45 wk/yr	
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### Internship

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11, 12	Data Science   Product   Quality Assurance Intern, IntelyCare
School, Break	Lead efforts to optimize processes for quality assurance and product development. Leveraged data science to propose new client organization.
10 hr/wk, 32 wk/yr	
Continue	

### Research

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12	High School Researcher, Massachusetts General Hospital: Department of Neurology, Research (CDAC)
School, Break	Work on medical research projects using data analysis & machine learning. Currently using patient data to determine the best drugs to treat epilepsy.
10 hr/wk, 45 wk/yr	
Continue	

### Work (Paid)

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10, 11, 12	Staff Instructor, theCoderSchool
Year	Teach students the fundamentals of programming through project and lecture based learning. Develop all curriculum and lead sessions of 1-5 students.
7 hr/wk, 50 wk/yr	
Continue	

### Community Service (Volunteer)

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10, 11, 12	Founder & Lead Organizer, Reboot Hacks
School	Organized virtual hackathon event, bringing 170+ students together from around the world. Received press coverage from Boston Globe and others.
11 hr/wk, 12 wk/yr	
Continue	

### Foreign Exchange

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9, 10	Foreign Exchange Student in Beijing, China, Wayland-
School	Jingshan Yuanyang School Exchange Program
3 hr/wk, 35 wk/yr	Lived with host family for two months, awarded outstanding exchange student,
Continue	transitioned to leadership position within the program upon return.

## Computer/Technology

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10, 11, 12	Founder & CEO, CyberSummerCamp
School, Break	Founded a camp to teach students the basics of computers and cybersecurity.
9 hr/wk, 24 wk/yr	Partnered with the local Boys and Girls club in hosting free lessons.
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## Robotics

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9, 10, 11, 12	Co-lead Software Programmer & Lead Ambassador, FRC
School	Team 5735: Control Freaks
5 hr/wk, 30 wk/yr	Programmed fully-functioning robot for competitions. Lead outreach efforts
Continue	within the community and served as liaison between sponsors and team.

## Journalism/Publication

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10, 11, 12	Founding Podcaster & Featured Writer, Wayland Student
Year	Press Network
5 hr/wk, 35 wk/yr	Founded, produced podcast on NBA basketball with an average of 450+
Continue	listeners per episode. Featured as writer and journalist in the student newspaper.

## Athletics: JV/Varsity

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9, 10, 12	Basketball, Athlete, Wayland Varsity Basketball Program
School	Started as guard for JV & Varsity team. Mentored younger teammates on
15 hr/wk, 25 wk/yr	shooting form and dribbling techniques.
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# Writing

## Personal Essay

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**The lessons we take from obstacles we encounter can be fundamental to later success. Recount a time when you faced a challenge, setback, or failure. How did it affect you, and what did you learn from the experience?**

Pulling out of the driveway, we looked ridiculous. Protruding eight feet outside of our truck are the posts of a fully assembled, old-fashioned, “Green Monstah” baseball scoreboard.

When I finally finished the construction phase of my Eagle Scout project, I thought the hardest part was behind me. Planning, fundraising, and securing approval had been time-consuming tasks. All that remained was transporting the scoreboard from my garage to the baseball field. Back on the road, my dad drives as slowly as possible. But despite his best efforts, it’s not enough to avoid the inevitable. *BAM!* The scoreboard posts completely flatten a speed limit sign.

While this was the biggest “speed bump” of my project, it wasn’t the first. Seeking funding, I’d walked into a local bank in full Boy Scout uniform to propose my plan. They preferred email. Measurement errors, disorganized volunteers, and lack of tools were other unplanned setbacks during the construction stage. Even the last step, cementing the board into the ground, took hours longer than predicted. Our team stayed well past midnight, literally watching cement dry.

What if I hadn’t pushed past these unforeseen difficulties and called it quits? Not only would I have missed out on a pivotal leadership opportunity, but a key life lesson. Whether it’s a project, class, or relationship, it is inevitable that there will be unexpected, unplanned, and unwanted setbacks— and that’s okay. The final outcome isn’t determined by the obstacles you face, but how you push through and adapt— by re-cutting more wood, renting the missing tools, or replacing the flattened road sign. I’ve found this mindset useful in plenty of other situations, from jobs, to sports, to extracurricular activities.

Last year, when proposing the idea of a hackathon to our computer science club, I knew the event would take hours of strategic fundraising, careful planning, and fierce marketing. I accepted the role as project lead, relying on past leadership skills to guide me.

Some lessons were easy to implement. For fundraising, I returned to the bank that sponsored my Eagle Scout project, sending an email proposal this time. But, as the planning phase became more collaborative, it also became more complex. With my Eagle project, I made all the major decisions around design and construction. The hackathon was different. I had to build consensus with a team before any crucial decisions were made.

This complexity pushed me to think more creatively. My goal was for every member of the club to become as passionate as I was about our hackathon. Considering our club hadn’t ever met in person due to the pandemic, this was difficult. But our virtual team meetings — sometimes more than twice a week —gave everyone an opportunity to make decisions and become invested in the project.

It wasn’t perfect. We changed the final date several times and adjusted the schedule frequently. Delegating tasks was challenging— I had to trust others to get timely work done. But in the end, everything came together. The opening ceremony was a hit, the guest speakers were phenomenal, and the participants developed incredible tools that addressed the challenges of remote learning.

During the second hour of presentations, I realized we were facing a final setback. We’d allotted about half the time we needed for the final presentations and closing ceremony. As I messaged judges to ask if they could stay longer, I realized we were victims of our own success. We hadn’t anticipated so many teams participating.



Whether it's hitting a speed limit sign with a massive scoreboard or forgetting to plan for success, no project will be completely smooth sailing from start to finish. These experiences in leadership have taught me to *expect* obstacles. When challenges arise, I'll always have a choice. I can give up or I can learn from my mistakes and continue moving forward... I choose the latter every time.

## Additional Information

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### **asboyer.com**

As a hobby, I keep a personal website updated.

I built this website from scratch to learn the fundamentals of web development and I designed the color scheme, layout, and logos. I still find myself adding to my site quite frequently, as I use the website as a way to provide insight into the things I do and find interesting.

Building and maintaining this website has taught me a lot and it's been an influential experience. I've bounced around a couple of domain names and hosting services, and I have progressively improved the site's responsiveness and backend functionality. One notable memory about my website was finally securing my domain name. I've always had this username ("asboyer"), or sought after it, on any online platform I've used. So, when I saw that the domain name "asboyer.com" wasn't available, I was introduced to the world of domain names. I had to hire a domain broker, find the fellow asboyer on the internet that owned this name, and negotiate for weeks before asboyer.com was mine.

Here you can find more information about projects I've worked on, news articles I've been featured in, and my additional interests. Below I've provided links to some notable subpages on my site. Also, take note of the menu bar for navigating sections on the home page. I hope you enjoy!

Main website: <https://asboyer.com/>

\* sections on this website include: (*Projects, Experience, Skills, Blog, Tools, and About*)

\* like most of my projects, this website is open source, and all the code is on my GitHub:  
<https://github.com/asboyer>

Other fun subpages:

"Boyer's Blog": <https://asboyer.com/blog>

"Midnight" specifications: <https://asboyer.com/tools/midnight>

Notable press: <https://asboyer.com/press>

Favorite music: <https://asboyer.com/music>

Favorite movies: <https://asboyer.com/movies>

Favorite shows: <https://asboyer.com/shows>

I'm always updating the site, so by the time you're viewing this there might be some new things to check out!

### **builtwithcare.org**

Another activity that I'd thought be worth mentioning is my National Honor Society project, "Built With Care."

During the hackathon I ran last year, I asked Jackie, a social worker, if she would speak during the opening ceremony. She works primarily with Latino children in need, and I asked her talk about how this population has been adjusting to remote learning and the challenges they are facing. This information was useful and impactful to the participants, as the goal of the hackathon was to write software that would reduce the struggles of remote learning. While Jackie did highlight a lot of the problems better software could solve, she also noted the biggest challenge: lack of access to hardware.

The experience of building my own computer led me to discover my passion for computers. Ever since, I've wanted others to have this experience this as well, as building a computer is a hands on way to learn how computers work.

After talking with Jackie after the hackathon, I knew that I wanted to combine both of these into a project, giving students an opportunity to build a computer, then donating the computers to people who need them. I proposed the project to Jackie, who loved the idea, and said she knew exactly the people who would greatly benefit from this.

At the moment I am writing this, I'm in the fundraising phase. Computer parts are quite expensive, so fundraising is a key component. I have left over funds we raised from the hackathon, and am also taking to social media to get the word out and find donations. To keep updated with the status of the project, check out our website, <https://builtwithcare.org>

## Education Progression

### Education progression details

No change in progression

PREVIEW

# Northeastern University Questions

## General

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<b>Preferred start term</b>	Fall 2022
<b>Admission plan</b>	Early Action
<b>NE Fee Waiver</b>	I do not qualify for a fee waiver
<b>Applying for Financial Aid?</b>	No
<b>Recognition Programs</b>	None
<b>Testing Plan Options</b>	Yes, I want Northeastern to consider my results for the SAT or ACT exams
<b>Testing Plan Options</b>	SAT

## Academics

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<b>College</b>	Khoury College of Computer Sciences
<b>Major</b>	Computer Science
<b>Advising Areas</b>	Graduate Studies
<b>Proof of English Proficiency</b>	I am a native English language speaker.
<b>Interested in pursuing double major or minor?</b>	Yes, I plan to pursue a double major or a combined major (interdisciplinary program).
<b>1st choice experiential</b>	Professional co-op
<b>Global Opportunities</b>	International Co-op
<b>Study in Boston</b>	Yes, I am open to considering studying in Boston my first year.
<b>Study Abroad</b>	No, I would prefer to not study abroad in my first year.
<b>Global ConnEXions</b>	Yes, I'm open to considering a virtual program my first year.
<b>NCH at Northeastern</b>	Yes, I'm open to considering a program through NCH at Northeastern in London, England.

## Contacts

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**Have you previously applied to Northeastern University?**

No

**Contact 1** Word of Mouth (Family/Friend/Teacher)  
**Mobile Phone** I consent to be contacted by Northeastern University at the mobile phone number provided below.  
**Mobile Phone Number:** +1.617-433-8537

## Family

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**Sibling applied this year** No  
**Relatives attended NU** No  
**Relative employed at Northeastern** No  
**Correspondance** Both Parent 1 and Parent 2

## Additional Information

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**Disciplinary Y/N** No  
**Institutional Withdraw Y/N** No

## Affirmations

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By submitting this application, I affirm my understanding of and agreement to the statements found here:  
<http://www.commonapp.org/affirmations>.