# Noah Batchelor

DOB: October 5th, 2002
8315 Cobblestone, Austin, TX
Personal: noah@batchelorcentral.com
School: oldblueeyes@tamu.edu

## EDUCATION

*Regents School of Austin, Class of 2021*

SAT scores: Overall: 1490; Math: 740; Reading and Writing: 750
ACT scores: Overall: 34; English: 35; Math: 34; Science: 30; Reading: 35
GPA: Weighted (cumulative through Junior year): 4.236

Senior Thesis Topic: examining the usage of Critical Race Theory in government and business policy making. Senior thesis is the capstone of the Regents curriculum, including year-long research and a written thesis, ending with a 20 minute presentation and 20 minute Q&A defense against a panel of judges and an open audience.

*Texas A&M University, Class of 2025*

GPA: 3.666 (cumulative through Sophomore year)

Relevant Classes:

- Math: Linear Algebra, Multivariable Calculus, Differential Equations, Discrete Mathematics, Statistics
- Physics: Newtonian Mechanics (Calculus Based), Electrostatics
- Computer Science: Honors Engineering Computation Lab (Python), Program Design Concepts (using C++), Data Structures & Algorithms (using C++), Computer Organization, Programming Languages (Haskell and Java)

## SKILLS AND RELEVANT PROJECTS

- Hand coded standard data structures in C++ (e.g. Linked Lists, Binary Trees, Hash Tables); developed them in a Linux subsystem using WSL and VSCode
- Designed a working simulation for the digital circuitry of a Y86 CPU and wrote the relevant Y86 assembly code to test it
- Used Python to create: hangman, a classic text adventure, a battle card game
- Experience in Python and C++, familiarity with Java, Haskell; experience with digital circuit simulator Logisim
- Public speaking, speech writing, and project presentation (e.g. demoing the CPU)
- Familiar with the research process and how to write a research paper

## WORK EXPERIENCE

**Tutor.com Tutor:** I work as a part time tutor for Tutor.com, an online tutoring service that connects me to students around the country where I help them work through various assignments and projects that they bring to me (currently I am specializing in middle-high school math).

## ACADEMIC AWARDS AND HONORS

***Recurring Awards and Honors***

**President's Endowed Scholarship**

National Merit Scholarship: in recognition of my academic ability as demonstrated by the PSAT, I received the NMSC. Upon entering A&M this was matched by their President's Endowed Scholarship, both of which require that I maintain good academic standing and a 3.5 GPA.

**RSA Subject Awards:** every class (from Latin to Programming) has two awards designated by the high school, each given to a single student per class (usually out of 30-80 students)—the Apostle Paul and Simon Peter awards, the former granted for academic excellence and the latter for interest and passion in the subject regardless of academic achievement. Over the previous three years of high school I have received the following RSA Subject Awards:

*Apostle Paul*

| | |
|---|---|
| AP Calculus | (*11th*) |
| Honors Pre-Calculus | (*10th*) |
| Intro to Computer Programming | (*10th*) |
| Visual Art II - 2D/3D Design | (*10th*) |
| Advanced Algebra II | (*9th*) |

*Simon Peter*

| | |
|---|---|
| Honors Biology | (*11th*) |
| Latin III | (*10th*) |
| Rhetoric I | (*10th*) |
| Biblical Studies | (*9th*) |

**National Latin Exam Awards:** these awards are given by the National Latin Exam organization for achievement in the Exam itself, which tests one's understanding of the Latin language as well as the culture around it. Between my final year of middle school and Junior year of high school I have received the following NLE awards:

| | |
|---|---|
| Silver Maxima Cum Laude | (*11$^{th}$*) |
| Maxima Cum Laude (x3) | (*10$^{th}$, 9$^{th}$, and 8$^{th}$*) |

**President's Volunteer Service Awards:** these awards are given by the President's Council on Service and Civic Participation based on hours spent in public service. I have received the following PVSA awards:

| | |
|---|---|
| PVSA Bronze | (*11$^{th}$, 10$^{th}$*) |

**Scholastic Art & Writing Awards:** these awards are given by Scholastic for placement in art competitions. I have received the following Scholastic Art Awards:

Gold Key (2020) — for a series titled "Sea Eagle" (*11th*)
Silver Key (2017) — for a piece titled "Identity Self Portrait" (*8th*)

***Individual Awards and Honors***

**Regents Scholars Award:** this award is given to students in the senior class that hold at least a 4.0 average GPA across the first 3 years of high school. (*12th*)

**AP Scholars with Honors:** this award is given by the College Board to students who score at least a 3.25 average over at least 4 AP tests. (*11th*)

**Letter for Honors Art:** lettering in high school is granted for participation in and commitment to a particular activity—in either sports or Fine Arts. (*11th*)

**Xerox Innovation and Information Technology Award:** this award is given by the University of Rochester for "Strong interest in innovation and/or information technology and a high level of achievement in this area". (*11th*)

**American Mathematics Competition 10 1st Place Award:** the Mathematical Association of America (MAA) grants this award for achievement in the high school level AMC test. (*10th*)

**LEADERSHIP AND ACTIVITIES**

**Texas A&M University Honors:** this is a university-wide program requiring a 3.5 GPA, as well as a 3.25 GPA in my honors courses (of which I have completed 5 of the required 21 credit hours). I also participated in the honors housing program as well as the Honors Seminar course.

**Texas A&M Engineering Honors**: this is a program from the college of engineering requiring a 3.5 GPA as well as 18 honors credit hours. Through this program I attended several engineering related events, meetings with the Honors track coordinator, and the program's Honors Seminar.

**Math Club:** since freshman year I have been a member of my school's math club. We meet monthly to discuss interesting topics outside of the standard curriculum (e.g. Fractals), work on fostering better attitudes towards mathematics, and play math related games.

*1 hour/meeting*; *9 meetings/year*

**Creative Writing:** a perennial hobby of mine, I pursue various small concepts (e.g. a new continent in the middle of the Atlantic, a chemical that turns trash into food, etc.) in the form of writing—occasionally supplemented with sketches of characters, devices, maps, and so on. Those that I like I expand and edit, with the intention that some of them may become novels.

*2.5 hours/week; 26 weeks/year*

**Personal Research:** whenever my curiosity stumps my teachers I write down the question at hand, save it to a list of such questions (everything from "Who was Nietzsche" to "Is it possible to freeze all the oceans?"), and explore the question later when the time presents itself. Questions that interest me remain on file, and birth new questions. This has produced particular benefits for my writing as well as in conversation.

*1.5 hours/week; 52 weeks/year*

**VOLUNTEERING AND OTHER POSITIONS**

**Mission Waco Trip:** through Regents, I traveled to Waco for a week to volunteer with Mission Waco, a local non-profit organization. Specifically, I worked in a local produce garden weeding and composting, and later volunteered in a retirement home.

*25 hours/week; 1 week/year; 9th*

**Side By Side Kids:** Almost every Wednesday I volunteered at an after school program called Side By Side Kids. As a classroom helper I worked with kids on homework, helped with group activities, and managed conflicts between the kids. It was shut down this year due to Covid.

*2.5 hours/week; 20 weeks/year; 10th-11th*

**Mission San Antonio Trip:** through Regents, I traveled to San Antonio with a group of volunteers. We helped at the Brighton Center, a non-profit that helps children and toddlers with disabilities; specifically we helped clean out unused storage spaces, as well as working with different groups of children through their activity schedules.

*25 hours/week; 1 week/year; 10th*

**Vacation Bible School:** ever since middle school I have volunteered at my church's VBS over the summer, where I helped lead around my group, participated in the different activities, and helped ensure that things ran smoothly.

*4.3 hours/week; 1 week/year; 6th-11th*

**Church Volunteering:** my church has occasional work days and other events, from cleaning the amphitheater for outdoor service to helping park cars for fundraising.

*2 hours/month; 9 months/year*

**Pokemon Math Camp:** over the summer before junior year, I worked as one of four group leaders in Pokemon Math Camp under my Calculus teacher, in which we taught kids how to play pokemon and the relevant math behind it.

*12 hours/week; 1 week/year*