

(NOTE: PDF Version of the text available here: <https://amogh.sh/majorchange.pdf>)

I am thrilled and so grateful to have been admitted into UConn for Electrical Engineering with a merit scholarship.

After some consideration, I now believe that computer science would be a better fit. Computer science is the largest growing industry in the United States and will be essential in every industry. My experience in high school has been diverse with a variety of extracurriculars, but one unifying factor has always been computer science. I believe UConn's computer science program will best equip me for my future career, as well as support my passions more than electrical engineering.

I have expanded my computer science knowledge outside of school by focusing on project-based learning, building several projects over the years including websites, web apps, algorithms, and games. I even went out of my way to integrate programming into my schoolwork, one example being the calculus review jeopardy game I built in JavaScript & HTML. (<https://amogh.sh/CalcReview/>)

Recently, in an effort to learn Flask & Python, I built a transcriber that will automatically transcribe any audio file, which you can see in the supplemental video I provided. The source code can be found here: (<https://github.com/qmogh/Python-Speech-to-Transcript>)

Similarly, in an effort to learn machine learning and combine data modeling and programming, I built a machine learning Jupyter Notebook app that analyzes the last 30 days of any stock price and predicts the price using linear regression. Similarly, this is demonstrated in my supplemental video, and the source code is available here: (<https://github.com/qmogh/ML-Linear-Regression-Stock-Prices>)

Some additional projects I have worked on for fun are an iOS game (<https://github.com/qmogh/Learning-App-Dev/tree/master/Magic-8-Ball>) and my personal website (<https://amogh.sh>, <https://amogh.sh/v2>, <https://amogh.sh/Ink-Website/>).

I believe the one area of concern on my application for computer science is my lower score on the AP CS Java exam, but I believe my 96% in the class and passion and knowledge for computer science demonstrate my desire and willingness to continue to improve my abilities. I believe UConn would be the perfect university to continue this passion.

I'd also like to emphasize that I'm a strong believer in expanding computer science curriculum and the power programming holds. Over the summer, I worked full-time at a computer science education nonprofit, Hack Club (<https://hackclub.com>) and continued there part-time through the school year. At this job, I lead community events and learn-to-code workshops, organize and host talks with some of the largest names in technology, and distribute an iPad Pro and laptop tech grant for underserved communities. You can find more information on this here:

1. <https://youtu.be/riru9OzScwk?t=119> Hack Club AMA w/ Elon Musk
2. <https://youtu.be/QPuQavijZOo?t=96> Hack Club AMA w/ Jack Conte

3. <https://windyhacks.com/> Windy City Hacks, the Chicago-based Hackathon I organized. My role was logistics, helping fundraise \$14,000, and coordinating mentors, panels, workshops, and representatives from colleges.
4. [https://workshops.hackclub.com/find\\_bigfoot/](https://workshops.hackclub.com/find_bigfoot/), an introductory JavaScript workshop I helped write which is now regularly ran at hackathons across the country

Now, I also work on Hack Club Bank, our fiscal sponsorship platform, helping build its software and onboard student organizations from across the world.

Because of my proven passion for computer science, evidenced by my school work, external projects, and job at Hack Club, I believe studying computer science would be the best fit for me. Thank you for your consideration, and I look forward to attending the University of Connecticut in the fall.