**School**: Yale University

**Prompt**: What do you most enjoy learning?

**Word limit**: 250 words

# Outline

* Computer science (multidisciplinary)

# Version 1

“Are you sure those are the right parts?”, a man next to me in line asked me while at an electronics store. “Those components seem dangerous”, the stranger continued. I explained to him that I had watched a video about Tesla Coils online and wanted to try my hand at making one.

He turned out to be an electronics professor at a nearby university, and encouraged me to explore something called “Arduino”. Excited about the possibility of expanding my electronics horizon, I ran back home and typed it into my computer. I learned about microcontrollers and how you could “teach” a device how to act through coding.

Throughout middle school and high school, the Internet took me through a path of exploration. At every step on the way, I tried to combine different areas of my life with these new topics. In sophomore year of high school, I worked with a senior citizen care facility to apply game programming to make an app that Parkison’s patients could use to retain key information. The next year, I used web development knowledge to build an image processing suite for a Satellite company that had just moved to my city.

When I finally understood that there was something beyond “coding” my perspective changed. The discovery of algorithms allowed me to pursue more complex projects like a Google Maps that optimized the routes for blind people in Buenos Aires. I am currently interested in convolutional neural networks, which can be applied to energy grids to increase load capacity while reducing the requirement for infrastructure investment, something lacking in Argentina.

It was this journey that led me to realize that Computer Science is my passion, because it can be combined with a myriad of other fields, and because it can be used to help people in all areas of their life.

# Version 2

“Those components are dangerous. Are you sure those are the right parts?” a man next to me in line asked me while at an electronics store. I was a pretty confident 11-year-old, and I explained to him that I had watched a video about Tesla Coils online and wanted to try making one.

He turned out to be an electronics professor at the University of Buenos Aires and encouraged me to explore Arduino to expand my electronics horizon. Excited, I ran back home and typed “Arduino” into Google. I learned about microcontrollers and how you could “teach” a device what to do through coding. I had never heard of coding before. The fact that you could build things that transcended the physical world made me feel like I had just discovered magic. Anything was possible.

I later moved from single-file projects in Arduino to more complex project structures making Windows programs. My mind was suddenly opened to how big and feature-rich software could become. My biggest project was in collaboration with a senior citizen care facility: an app that Parkinson’s patients could use to retain key information. I was a very technically focused person at the time and that project taught me that I should care more about the people and the problem than the technology.

From there I was thrilled to discover image processing, which opened a new pathway for computers to share their analyses and conclusions in a way humans could easily interpret. At the same time, working at Satellogic, a satellite startup, opened my eyes to the business aspect of technology. I had always thought of it as purely for fun or solidarity, but I learned that technology could be applied to solve business challenges.

In my last year of high school, yet another world opened up when I started developing more complex architectures, like internet-connected apps. It was the first time I thought of software as a tool for collaboration since people could share their work and information through these platforms. My skill set expanded to include project management when I led a project aimed at solving the transportation challenges of the visually impaired in Buenos Aires. It suddenly clicked: a solution could be turned into its own business if organized correctly. Thus, I was introduced to the realm of startups.

After finishing school the candy jar of blockchain and more esoteric software, like Chrome extensions and command-line interfaces, treated me with new ways in which software could solve problems, beyond the traditional website or app. Helping a friend with his startup (and eventually starting my own) taught me about the long and winding road of the entrepreneurial journey, from the first idea, to first clients, to obtaining funding to accelerate growth.

It was this journey that led me to realize that Computer Science is my passion. I am generally curious, and this journey also allowed me to explore so many different fields outside of CS and get to connect with people from diverse backgrounds on a deeper level. That is why I love computer science.

However, learning how to introduce technology in the real world/learning about people and how technology impacts the real world was just as thrilling as expanding my knowledge of technology.

# Version 3 (Condensed below)

“Are you sure you want those components?” asked a man at the electronics store. I was a fairly confident 11-year-old and explained I had watched a video and wanted to try making Tesla Coils. When he told me about Arduino, I ran home excited and learned about microcontrollers and “teaching” a device through coding. It felt like discovering magic.

Moving to Windows programs, I suddenly realized how feature-rich software could become. My biggest project, an app Parkinson’s patients could use to retain key information, taught me, though, to care more about people and the problem than the technology.

From there I was thrilled to discover image processing, a new pathway for computers to share analyses and conclusions that humans could easily interpret. At the same time, working at a satellite startup revealed how technology could solve business challenges.

Yet another world emerged when I started developing more complex architectures, like internet-connected apps, that allowed people to share work and information. Meanwhile, leading a project aimed at solving transportation challenges of the visually impaired in Buenos Aires expanded my skill set to include project management.

Then the candy jar of blockchain and more esoteric software, like Chrome extensions and command-line interfaces, treated me with how software can solve problems beyond traditional websites or apps. I also embarked on the long and winding entrepreneurial road while launching my own startup.

Computer Science is definitely my intellectual passion. However, equally fascinating is learning about other fields and connecting with people from diverse backgrounds//learning about people and how technology impacts the real world/how to introduce technology into the real world.

**Discard pile**

That is why I love computer science.

, from the first idea, to first clients, to obtaining funding to accelerate growth,

It also suddenly clicked: a solution could be turned into its own business if organized correctly. Thus, I was introduced to the realm of startups.

## Previous Paragraphs

“Those components are dangerous. Are you sure those are the right parts?” asked a man at the electronics store. I was a pretty confident 11-year-old, and I explained to him that I had watched a video about Tesla Coils online and wanted to try making one. When he told me about Arduino, I ran home excited and started learning about microcontrollers and “teaching” a device through coding. Building things that transcended the physical world made me feel like I had just discovered magic. Anything was possible.

My biggest project was in collaboration with a senior citizen care facility: an app that Parkinson’s patients could use to retain key information. I was a very technically focused person at the time and that project taught me that I should care more about the people and the problem than the technology.

At the same time, working at Satellogic, a satellite startup, opened my eyes to the business aspect of technology. I had always thought of it as purely for fun or solidarity, but I learned that technology could be applied to solve business challenges.

My skill set expanded to include project management when I led a project aimed at solving the transportation challenges of the visually impaired in Buenos Aires. It suddenly clicked: a solution could be turned into its own business if organized correctly. Thus, I was introduced to the realm of startups.

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# Notes

* Interdisciplinary -> tech in venture capital, cleantech, help people in ngo settings.
* Love for problem solving or how satisfying it is to build something that you can call your own
* I were able to go to yale, i could go to the Digital humanities lab or do research there.

# Final Version

#Topic 1

“Are you sure you want those components?” asked a man at the electronics store. I was a fairly confident 11-year-old, and I explained that I had watched a video and wanted to try making Tesla Coils. When he told me about Arduino, I ran home excited and immediately started learning about microcontrollers and “teaching” a device through coding. It felt like discovering magic.

I moved from single-file projects in Arduino to more complex project structures making Windows programs. My mind was suddenly blown away by how big and feature-rich software could become.

From there I experienced the thrill of discovering image processing, which opened a new pathway for computers to share analyses and conclusions in a way humans could easily interpret.

In my last year of high school, I furthered my interests by developing more complex architectures, like internet-connected apps. It was the first time I thought of software as a tool for collaboration since people could share their work and information through these platforms.

After finishing school, the candy jar of blockchain and more esoteric software, like Chrome extensions and command-line interfaces, treated me with new ways in which software could solve problems, beyond the traditional website or app.

It was this journey that led me to realize that learning computer science is my passion. I love how each discovery exposes me to new fields and connects me with people from diverse backgrounds.

# Why do these areas appeal to you?

Computer Science and Mathematics appeal to me because it helps solve problems from many different industries and disciplines. If two seemingly different problems can be reduced to the same computational or mathematical problem, then solving it once can have a **wider** effect.

Economics appeals to me because it lets us predict how people will behave when presented with different incentives in a society governed by markets. This is crucial information to improve our quality of life.