

## Career development

- How would you describe your level of experience as a professional software engineer?  
As an emerging software engineer, I studied computer science for almost four years, in which I gained hands-on experience through course work, projects, and an internship. I have a good grasp of the principles of programming and backend development. I keep wanting to go deeper with knowledge and skills in algorithms and problem-solving.
- What are your strengths and weaknesses as a software engineer?  
My strengths are that I am curious and like to find different ways of solving problems. I like to implement different methods and try to find a different perspective to look at the problem. This mindset motivates me to learn about new technologies and attain more skills. Being a software engineer, one weakness is my natural shyness when it comes to public speaking and articulation in groups. In turn, this pushes me to put myself out there, challenging myself with hackathons and internships that push for collaboration with groups. These experiences are allowing me to be more confident in myself while improving my communication skills to where I can clearly express my ideas. As a result, I no longer am anxious in group settings and get better in articulating my opinions.
- What is your proudest success as a software engineer?  
Pivots in my software engineering journey would be times where I challenge myself outside of classes. For instance, I attend hackathons in order to spark my innovation and collaborate with different people. I also enroll in programs like the CUNY Tech program, where I am currently enhancing my python skills and diving into data science.

## Experience

- Describe your level of experience in Python, and how you have attained it.  
I am proficient in python. I learned python over the summer by enrolling in a 10 week codepath course. I continue to enhance my python skills this year by attending a one year CUNY Tech program where I am learning about data science and am currently working with data analysis using Python, pandas, numpy and matplotlib.
- Describe your level of experience in C/C++, and how you have attained it.  
I am proficient in C++. I learned about it by finishing my Programming paradigms in c++ class this spring.
- Describe your level of experience in Go, if any, and how you have attained it.  
I don't have experience in Go, but I didn't have experience in Python or C++ at the beginning of this year either, both of which I am now proficient at. I am always eager to learn new languages and develop my skills.
- Describe your level of experience in Rust, if any, and how you have attained it.  
N/A
- Would you describe yourself as a high quality coder? Why?

When writing code, I think that it is important to almost never stick with the original brute force solution. It is important to minimize runtime by improving areas of the code that significantly impact runtime. In order to make good code, testing and optimizing algorithms is necessary.

- Outline your thoughts on performance in software engineering. How do you ensure that your product is fast?

To ensure the product is fast, it is important to write clean and efficient code. This is done by getting rid of unnecessary code and improving bottlenecks. It is important to improve runtime which can be done by writing a different algorithm or increasing memory time to improve runtime.

## Education

We consider academic results in high school and university for all roles, regardless of seniority.

In every discipline, from engineering to marketing to operations and sales, we intensely value colleagues who are able to puzzle through difficult problems and find the optimal path forward.

- How did you rank in your final year of high school in mathematics? Were you a top student? On what basis would you say that?

I was one of the best at mathematics from my high school. I can say this because I scored among the highest in tests.

- How did you rank in your final year of high school, in your home language? Were you a top student? On what basis would you say that?

I got the highest gpa in my graduating class (3.97/4.0)

- Please state your high school graduation results or university entrance results, and explain the grading system used. For example, in the US, you might give your SAT or ACT scores. In Germany, you might give your scores out of a grading system of 1-5, with 1 being the best.

My highschool GPA was 3.97/4.0. I couldn't take the SAT due to covid-19.

- Can you make a case that you are in the top 5% in your academic year, or top 1%, or even higher? If so please outline that case. Make reference where possible to standardised testing results at regional or national level, or university entrance results. Please explain any specific grading system used.

My highschool GPA was 3.97/4.0 which was the highest in my graduating class. I worked hard for my grades and would make sure to thoroughly pay attention in my classes so that I couldn't miss even the insignificant topics.

- What sort of high school student were you? Outside of class, what were your interests and hobbies? What would your high school peers remember you for?

Outside of class I liked to write poetry and cook/bake. My high school peers would remember me for being honest and kind. This is because I didn't start rumors about anyone nor did I start fights.

- Which university and degree did you choose? What other universities did you consider, and why did you select that one?

I chose CUNY Brooklyn College because it was affordable and easy to commute to. I chose computer science because I wanted to challenge myself and earn well at the same time.

- During all of your education years, from high school to university, can you describe any achievements that were truly exceptional?

In high school, I excelled in mathematics and was ranked among the top students in all subjects. This really served to build a solid foundation for future success in the classroom.

College brought the pivotal moment when I got an internship that applied my skills to the real world. Besides deepening my interest in software engineering, the experience further strengthened my passion for the subject.

One of the proudest moments of my time at college was winning my first hackathon. This gave me confidence knowing that I have what it takes to come up with an innovative solution in such a short timeframe. Additionally, I've been fortunate to receive scholarships that have supported my education and motivated me to improve as a student.

- What leadership roles did you take on during your education? Did you conceive of, and drive to completion, any initiatives outside of your required classwork?

I take many initiatives outside of classes. One of them is that I joined the Girls Who Code Leadership academy where I work on a project giving back to the community. I am working on a Traffic Management System to optimize traffic lights. So far, I have used data analysis to visualize data and see patterns and am trying to build a machine learning model that finds traffic trends.

## Context

- Outline your thoughts on the mission of Canonical. What is it about the company's purpose and goals which is most appealing to you? What do you see as risky or unappealing?

I am interested in the mission of Canonical because of the way it advances open-source software. I like that Canonical is making technology more accessible which is vital in driving innovation and solving problems. I am drawn to settings that allow me to apply problem-solving in an innovative manner toward challenges.

- Who are Canonical's key competitors, and how should Canonical set about winning?

Canonical's competitors include Oracle and VMware. One of the things Canonical can do to improve its product is to improve user experience. Convenience is one of the biggest factors people use in their decisions.

- Why do you most want to work for Canonical?

I am very excited about the opportunity of working at Canonical, the company is highly committed to open-source principles and uses innovative technologies. I look forward to working with talented experts contributing towards solutions. This aligns with my passion for problem-solving and furthering my skills in software development.

- What gets you most excited about this role?

I am excited about this role because it offers the opportunity to work on innovative projects at the forefront of open-source technology. The chance to collaborate with talented professionals who share a passion for problem-solving and creativity is incredibly motivating. I look forward to applying my skills to contribute to solutions that make technology more accessible.