

Caitlen Vanchieri

Staff Research Engineer

Profile

I am a Staff Research Engineer with 5+ years of experience in the field. I have gained valuable knowledge and skills through my work in the industry, which has enabled me to contribute significantly to the research and development of new products and technologies. I thrive on working on challenging projects that require creative problem-solving, and enjoy collaborating with other engineers to find innovative solutions. My strong technical background combined with my excellent communication skills makes me an asset to any team.

Employment History

Staff Research Engineer II at Google, NY

Mar 2022 - Present

- Authored 3 published papers in field-leading journals.
- Led research and development team of 4 in design, prototyping, and testing of new product.
- Won “Best Paper” award at international conference for work on novel algorithm.
- Delivered technical training to 15 sales engineers on new product features.
- Cut cost of product development by 10% by developing new manufacturing process.

Staff Research Engineer I at Apple, NY

Jul 2017 - Feb 2022

- Authored a research paper that was published in Science Magazine. The paper detailed the findings of a study on the effects of microgravity on plant growth.
- Conducted experiments aboard the International Space Station to test new methods for growing plants in space.
- Developed an automated system for monitoring and manage plant growth data collected from experiments conducted at various locations around the world.
- Designed and built custom equipment used to conduct research on plant responses to simulated lunar gravity conditions.
- Managed all aspects of a long-term experiment testing how different varieties of wheat respond to changes in day length, rainfall levels, and temperature extremes.

Certificates

Certified Software Development Professional (CSDP)

Sep 2020

TensorFlow Developer Certificate

Apr 2019

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Education

Master of Science in Electrical Engineering at The University of Rochester, NY

Sep 2012 - May 2017

I've learned about the design, analysis, and implementation of electrical and electronic circuits and systems.

Links

[linkedin.com/in/caitlenvanchieri](https://www.linkedin.com/in/caitlenvanchieri)

Skills

Java

Python

C++

Matlab

R

SQL

Languages

English

Portuguese

Hobbies

Building and flying model rockets

Collecting vintage video games

Playing the drums