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Johan Cervantes

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Education

Massachusetts Institute of Technology (MIT)   Cambridge, MA
B.S. Computer Science, Statistics & Data Science Minor   August 2017 – Present
Relevant Coursework: Artificial Intelligence, Machine Learning, Elements of Software Construction, Computational Cognitive Science, Computer Systems Engineering

Experience

Google   Remote
Software Engineering Intern – Geo Assistant Team   June 2020 – August 2020
- Designed, engineered, and launched a feature on Assistant for Android Auto that informs users how many minutes away stops are along their route.
- Identified, solved, and collaborated with cross-functional teams to fix existing bugs on Assistant with high hit rates.

CovEducation   Los Angeles, CA
Lead Website Developer   March 2020 – May 2020
- Built a platform to connect in-need students, whose schools transitioned to online learning because of COVID-19, with college student mentors.
- Developed a mentor / mentee matching system, reaching 4700+ mentors and 2500+ mentees.

Google   Mountain View, CA
Software Engineering Intern – Search Team   June 2019 – August 2019
- Worked alongside the Search team, focusing on understanding & detecting "intents" in queries and websites.
- Constructed a feature extraction pipeline and a machine learning model to classify hierarchical intents.

MIT Media Lab   Cambridge, MA
Undergraduate Research Assistant   January 2019 - Present
- Designed a machine learning model to detect subcarriers of information in TV news such as facial expressions.
- Engineered a modular video processing pipeline with speech / facial analysis and neural styling.

Web.lab   Cambridge, MA
Instructor & Teaching Assistant   December 2019 – February 2020
- Taught an introductory website development class at MIT, touching on JS, ReactJS, and MongoDB.
- Organized hackathons and a month-long website competition, with over $20,000 in prizes for students.

IBM   Yorktown Heights, NY
Software Engineering Intern   June 2018 – August 2018
- Developed a Python library to deploy and manage IBM Cloud Services through Kubernetes.
- Created a cloud client to automatically manage IBM resources, Microservices, and Serverless Functions.

Skills

Soft Skills:
- Well-developed skills in time management, decision making, and verbal/written communication.

Technical Skills:
- **Programming Languages:** C++, Python, JavaScript, Java, Go, Rust, CSS, HTML,
- **Libraries / Frameworks:** Tensorflow/PyTorch, MapReduce, ReactJS, MongoDB, NodeJS, Google Cloud

Leadership

Gordon-MIT Engineering Leadership Program   September 2019 – Present
Gordon Engineering Leader
- Part of a selective development program with a focus on being an effective member of engineering teams.