

Maximilian Untrecht

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Austin, TX

650-515-7819

Objective: Eager and curious computer scientist with nine years of coding experience seeking a software development position building innovative software products in a high energy, high growth business environment.

Primary Languages: Go, Python, C++, C, Javascript, Java, HTML, SQL

Work Experience

Tesla, Austin, TX

Jan 2023 - Present

Sr Software Development Engineer

- Currently engineering lead developing a green field computer vision application for vehicle inspections, security, and safety usecases. Ownership of execution and model building platform using YOLO, SAM, and other cutting edge models. Onboarded over 3,000 cameras across Fremont, Texas, Berlin, and Shanghai factories. Delivering value in excess of \$30,000,000 in reduced scrap costs to date.
- Developed factory material handling software and designed a new material flow process that improves forklift utilization. The new process is now widely adopted for most parts in the factory and saving the company millions of dollars every year.

Dematic Corporation, Milwaukee, WI

Aug 2021 - Dec 2022

Software Engineer

- Developed autonomous software solutions for global warehouse automation including distributed robotic operations, customer-facing user interfaces, and third-party application integration.
- Responsible for on-site implementation, installation, and testing of hardware, software, and networking infrastructure to increase operator productivity and streamline overall warehouse efficiency.

InfluxData, San Francisco, CA

June 2020 - Aug 2020

Senior Software Engineering Intern

- Responsible for developing critical health alerts for the core Influx database and operating environment.
- Accelerated critical DevOps functions using the Flux query language and improved the overall “build and deploy” pipeline.
- Work recognized in company all-hands meeting for delivering outstanding contribution and customer value.
- As a Senior Intern, developed valuable team management and leadership skills and helped mentor other interns.
- Communicated efficiently and effectively with Zoom, Slack and other collaboration tools - especially important during the pandemic.

InfluxData, San Francisco, CA

June 2019 - Aug 2019

Software Engineering Intern

- Worked directly with the core database team in designing and optimizing the next version of the InfluxData time series database, allowing customers faster access to their data.
- Managed data privacy issues around accessing individual data safely and efficiently across shared databases without compromising the security of others.
- Gained skills working with common industry tools such as Amazon's S3 and Github.
- Transferred internal features used to manage database health to new product offerings.

InfluxData, San Francisco, CA

June 2018 - Aug 2018

Software Engineering Intern

- Helped manage user contributions on Github for the Influx open source product Telegraf.
- Added critical new features to the Telegraf product using the Go programming language to enable simplified data processing and transformation.
- Gained valuable real-world software development skills in a high energy, high growth software technology company.

Education

University of Michigan, Ann Arbor, MI

Aug 2017 - May 2021

- Bachelor of Science, Computer Science
- Key classes include Machine Learning, Artificial Intelligence, Database Management, Algorithms, and Optimization
- Interests include network management, security, database technology, and AI/ML

Other Interests

- Tutoring high school students in AP computer science - 2021-2023.
- Built self-learning, cryptocurrency bot to automate trading of cryptocurrencies - 2018.
- Volunteered with the Young Men's Service League from 2015-2017.
- Played 6 years of competitive water polo including 5 Junior Olympic appearances with the Stanford Water Polo Club.