

Warren James

B.S.E Electrical and Computer Engineering

I am a computer and electronics enthusiast who is passionate about building interesting projects for fun and profit.

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W-A-James

609-516-6021

Brooklyn, New York

SKILLS

Collaboration

Python

Proactivity

NodeJS

Typescript

Rust

Golang

EXPERIENCE

Software Engineer 2

MongoDB - Node Driver Team August 2022 – Present New York, New York

Keywords: *Typescript, NodeJS, Database, NoSQL*

- Spearheaded initiative to investigate performance of serialization library, building and making use of bespoke tooling to make measurements of throughput and give recommendations on how performance improvements could be made
- Collaborated cross-functionally to design, update and implement shared specifications
- Aided in the design and implementation of logging functionality in the database driver

Software Engineering Internship

MongoDB - Node Driver Team Jun – Aug 2021 (12 weeks) New York, New York

Keywords: *Typescript, NodeJS, Database, NoSQL*

- Collaborated with team on a summer-long project to increase library usability
- Tracked down and fixed bugs in production Typescript code
- Wrote unit tests using Mocha test framework

Learning Path Internship

MongoDB Jun – Aug 2020 (8 weeks) New York, New York

Keywords: *NoSQL, Database, Python, Mongo Shell, Flask*

- Was one of 13 rising juniors in an intern class of over 80 students
- Participated in 8 week technical program to attain MongoDB developer certification using Python and the Mongo Shell
- Participated in a collaborative team project utilizing Python with the Flask micro web framework and the Pymongo driver
- Shadowed engineers on a number of different teams and worked on Jira tickets to understand development best practices, methodologies and workflows

EDUCATION

BSE. Electrical and Computer Engineering

Princeton University 2018 – 2022

- Thesis: “MIPSView: An interactive modern web-based simulator of the MIPS R2000 microprocessor”

RELEVANT COURSEWORK

Compiling Techniques

Wrote a small compiler using OCaml

Robotic and Autonomous Systems

Built an autonomous toy car that avoids obstacles

Operating Systems

Wrote a small preemptive kernel that handles keyboard input

PERSONAL PROJECTS

Networked Lights

from 2023

MIPSview

from 2021

Cellular

from 2020

Conway's Game of Life

2020