

UMich ChemEng / physics » backend python + data + ai

Solving complex problems as simply as possible

Professional Experience

Senior Software Engineer, Prefect

Chicago IL | 2023-present

- Expanding and maintaining the open-source Prefect SDK and server components
- Building AI-powered systems (NLIs + RAG etc) to extend teams within the organization
- Working with leadership and marketing to improve our digital footprint and outreach
- Pioneering use of PyO3 to defer CPU-intensive work to a faster, more efficient runtime

Software Engineer, Prefect

Chicago IL | 2022-2023

- Worked with product leaders to distill sane-default experiences from complex user needs
- Contributed to upstream and downstream open-source projects like `pydantic` and `chromadb`
- Designed, implemented, and maintained `prefecthq/marvin`
- Brought AI into Prefect Cloud
- Developed tooling for bulk-maintenance of 30+ integration libraries, e.g. `collection-manager`
- Designed, implemented and managed open-source autonomous systems like our slackbot

Data Engineer, SLATE (acq. by Prefect)

Remote | 2021-2022

- Built custom IaC, ETL, and data modeling for customers

Education

Bachelor of Science in Chemical Engineering

University of Michigan, Ann Arbor | Graduation Year: 2020

Technologies

- python, go
- `fastapi` , `pydantic`
- postgres, sqlite, redis (streams)
- docker, kubernetes, helm

Side projects

- `marvin` - popular AI engineering toolkit
- `raggy` - not-so-popular RAG toolkit
- `gh-util` - bc I get annoyed with rewriting the same github api code

Contact

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