

Brendon Smith

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I build software to support the creation, curation, and application of scientific knowledge.

Skills

Software

GraphQL | JavaScript | Vue.js | Python | R | Docker | Git | Progressive Web Apps

Science and education

Molecular Biology | Nutrition | Statistics | Lab Management | Teaching

Projects

inboard

08/2020 - Present

- Provides a [PyPI package](#) and [Docker images](#) for Python web servers
- Supports Gunicorn, Uvicorn, Starlette, FastAPI, and the ASGI spec

Full-Stack FastAPI

12/2019 - Present

- Integrates a Python FastAPI back-end and Vue.js front-end
- Features an admin dashboard and Docker Compose containerization

MBTAccess

04/2018 - Present

- Progressive Web App with wheelchair access info for public transit
- Built with Python 3, Flask, JavaScript ES6, and Docker

Experience

Software Engineer, Intellia Therapeutics

03/2020 - Present

- Build full-stack software with Vue.js, Python FastAPI, Docker, and AWS
- Automate CI/CD and deployments with GitHub Actions and Terraform

Software Engineer, Invicro

03/2019 - 12/2019

- Engineered full-stack biomedical software with Perl, Python, and Vue.js
- Automated application installs with Docker Compose and shell scripts

Grow with Google Scholar, Udacity

01/2018 - 11/2018

- Completed a challenge course in the top 10% of 10,000 students
- Initiated and led open-source development of a transportation app

Postdoctoral Scientist, Harvard T.H. Chan School of Public Health

04/2015 - 10/2017

- Initiated an independent [research program](#) and won grant funding
- Applied data science and statistics to analyze high-throughput data

Education

Nanodegree	Mobile Web Specialist	Udacity	2018
Nanodegree	Full Stack Web Developer	Udacity	2017-2018
Postdoc	Molecular Metabolism	Harvard T.H. Chan School of Public Health	2015-2017
Ph.D.	Nutritional Sciences	University of Illinois at Urbana-Champaign	2009-2014
B.S.	Applied Health Science	Wheaton College (IL)	2007-2009
B.A.	Spanish	Wheaton College (IL)	2004-2009

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