

NICHOLAS WERNER

CONTACT

nick@haptic.gg
909-477-0758

WEBSITES

arcanescrives.com
haptic.gg

SKILLS

- Web development
- Devops & infrastructure
- Scientific computing
- Data analysis & visualization

LANGUAGES & TECHNOLOGIES

- Javascript/Typescript
 - React/NextJS
 - PostgreSQL
 - Cloud computing
 - Docker/Kubernetes
 - Python
 - Django
 - Numpy/Matplotlib
 - Vim evangelist
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EXPERIENCE

Web Developer

July 2024 - Present

Freelance (Arcane Scribes)

San Diego, CA

As half of a two-man web development team, I take the lead on software architecture and backend engineering. Our usual tech stack for greenfield projects is a React/NextJS frontend and a Supabase/Postgres backend.

Python Developer

January 2023 - July 2024

Institutional Shareholder Services

San Diego, CA

I worked on maintenance and modernization of a large legacy Django financial data analysis app, including spearheading the upgrade of the deployment pipeline to a modern Kubernetes cluster.

Physics Lecturer

August 2022 - June 2023

California State University Long Beach

Long Beach, CA

I planned and delivered in-person lectures for intro physics and astronomy courses. I developed original coursework and exams for both courses.

Co-founder, Full-stack Engineer

June 2021 - Present

Haptic LLC

San Diego, CA

Haptic is a game server hosting website founded by three lifelong friends. Its tech stack is composed of a React/NextJS frontend, a Django server for business logic, and a Kubernetes cluster for ephemeral game servers. I am responsible for the architecture of the React and Django portions.

Physics Teaching Assistant

January 2019 - December 2020

California State University Long Beach

Long Beach, CA

I ran laboratory sections for physics and astronomy courses, teaching how to safely use lab equipment and simulate physical systems in Python.

EDUCATION

Master of Science, Physics

December 2020

California State University Long Beach

Thesis: Plasmon Spectrum of Twisted Bilayer Graphene (condensed matter physics, computational physics)

MILITARY SERVICE

Scientific Application Specialist (9S100)

March 2011 - March 2015

US Air Force

Patrick AFB, FL

I served as a seismic data analyst in support of AFTAC's nuclear treaty monitoring mission. In my final year, I was promoted to an R&D position where I worked on improving data pipelines and developing novel analysis methods. Held Top Secret/SCI clearance.