neal patel

linkedin.com/in/thatnealpatel | nealdotpy.dev | github.com/nealdotpy
(███) ███-████ | nealpatel2021@gmail.com

experiences

full stack developer - think3dprint   **july 2020 - present**
- implemented a performant database utilizing fastapi, postgresql, sqlalchemy, pydantic.
- containzered development and production environments: docker and docker-compose.
- designed and implemented schema for an internal REST API (documented via swagger docs)
- implemented interactive admin panel for managing day-to-day business workflows

web developer - ugahacks   **mar 2020 - present**
- led my team in refactoring our codebase into ReactJS for flexibility and performance.
- wrote backend functionality to accommodate for online check-in due to COVID-19.
- improved mobile site performance by 68.5% and desktop site performance by 49.1%.
- maintained and developed new functionality used by over 500 participants annually.

software developer intern - valens software   **may 2015 - aug 2015**
- developed mobile-facing implementations for widgets in Lua and mySQL.
- created an interactive calendar widget that was highly coupled with the core scheduler.
- developed demoware builds for trade shows and new leads.

research assistant - georgia tech research institute   **may 2016 - aug 2016**
- conducted 320 lab hours in synthesis, testing, & analysis of organic field effect transistors, resulting in publishing a 10 page research paper on *n*-type OFETs.
- acquired skills to adapt and learn in an advanced, fast-pace, high-stakes environment.

---

projects

algorithmic automated stock trading   medium article source code
- a python-powered automated trader utilizing alpaca.markets.
- tech stack: python, google cloud platform, sql, REST.

ticker tape polybar module & cli td ameritrade   medium article source code
- module for arch linux polybar: futures, indexes, and stocks with custom oauth2.0 cli.
- tech stack: python, bash, REST.

pretty.market - market charts, but pretty   medium article source code
- passion project that combined my interests in finance, art, design, and coding!
- tech stack: react.js, github pages.

helpushelp.earth - the invisible impact   medium article source code
- a visual culture intervention; addressing environmental concerns in the local community.
- tech stack: react.js, adobe illustrator, github pages.

---

skills

c/c++ | python | react | fastapi | java
alembic | pytest | django | rdbms (sql) | docker
git | *nix | gcp | aws | arch linux
strong written communicator | apt generalizer | first-principles explainer

---

education

university of georgia | b.s. computer science | 3.5/4.00 gpa