

neal patel

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experience

full stack developer - think3dprint.com (old site)

july 2020 - present

- designed user stories and documents detailing functionality for the redesign of the site.
- implemented user stories using Django to expedite the customer order process chain.
- implemented an .STL rendering engine for customers to view models and get estimates.

web developer - ugahacks.com

mar 2020 - present

- utilized Django to develop web technologies for the campus' largest multi-day event.
- wrote functionality in Python, HTML, CSS, & JS implementing interactive SVG maps, static views, and interactive timeline views.
- improved mobile performance by 68.5% & desktop performance by 49.1% by refactoring existing codebase and optimizing preloads.

software developer intern - valens software

may 2015 - aug 2015

- developed mobile-facing implementations for widgets in Lua and mySQLite.
- developed demoware applications for trade shows and leads.

research assistant - reichmanis lab (georgia tech)

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-paced, 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.

rasberry pi object recognition camera | [medium article](#) | [source code](#)

- a machine-learning powered custom-built hardware camera.
- tech stack: [python](#), rpi unix, google cloud platform, TFT display technology.

nealdotpy.dev - a portfolio website | [website link](#) | [source code](#)

- my personal website and portfolio showcasing media and project links.
- tech stack: [react.js](#), bootstrap, aws, github pages.

skills

java | c/c++ | python3
django | html5 & css3 & js | react.js | rdbms (sql)
git | *nix | gcp | aws | adobe editing suite

leadership

#teamtrees

dec 2019

- planted trees and led a small camera crew on an on-site project.
- a charity effort to mass-plant trees using comedy and shovels. 200-tree contribution.

education

university of georgia | b.s. computer science | 3.51/4.0 gpa