

neal patel

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experience

full stack developer - [think3dprint](https://think3dprint.com).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 estimates.

web developer - [ugahacks](https://ugahacks.com).com *mar 2020 - present*

- led my team in refactoring our existing vanilla codebase into ReactJS for future flexibility and performance
- wrote functionality in Python, HTML, CSS, & JS implementing interactive SVG maps
- improved mobile site performance by 68.5% & desktop site 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 - **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-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.

[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.

raspberry 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.

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 | 3.41/4.00 gpa