

# neal patel

[linkedin.com/in/thatnealpatel](https://www.linkedin.com/in/thatnealpatel) | [nealdotpy.dev](https://nealdotpy.dev) | [github.com/nealdotpy](https://github.com/nealdotpy)  
(678) 900-0004 | [nealpatel2021@gmail.com](mailto:nealpatel2021@gmail.com)

## 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*

- 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 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 - 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-pace, high-stakes environment.

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## 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.

**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.

**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.

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## skills

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

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## 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.

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## education

university of georgia | b.s. computer science | 3.41/4.00 gpa