

neal patel

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experience

Organizer/Web Developer - UGAHacks

Mar 2020 - Present

- Utilized Django to develop web technologies for the campus' largest multi-day event.
- Wrote functionality in Python, HTML, & CSS implementing interactive SVG maps, static views, and interactive timeline views.

Research Assistant - Reichmanis Lab (GA Tech)

May 2016 - Aug 2016

- Conducted synthesis, testing, and analysis of organic FET semiconductors.
- Published a 10 page research paper on n -type OFETs.

Software Developer - Valens Software, LLC

May 2015 - Aug 2015

- Developed UI implementations for widgets in Lua and mySQLite.
- Developed demoware applications for trade shows and leads.
- Conducted QA testing and direct customer support.

projects

algorithmic stock market trading : [medium article](#) | [source code](#)

- a python-powered automated trading api utilizing alpaca.markets.
- tech stack: python, google cloud platform, sql, REST.

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

- a machine-learning powered hardware camera.
- tech stack: python, rpi unix, google cloud platform.

16x2 weather display : [source code](#)

- custom display out for weather information with hardware functionality.
- tech stack: python, 16x2 lcd display, digital circuitry, rpi unix.

skills

java | c/c++ | python3

django | html5 & css3 | react.js | sql

git | unix | gcp | aws | adobe editing suite

communication

Independent Scientific Research Findings

Mar 2017

- Presented findings of 320 hours of lab research [in the span of 12 minutes](#) to a panel of Ph.D. Chemistry and Ph.D. Physics faculty.

leadership

#TeamTrees

Dec 2019

- Physically planted and led a small camera crew on an on-site project.
- A charity effort to mass-plant trees using comedy, shovels, and 2019 standards of online entertainment to spread awareness. **200 tree contribution.**

education

university of georgia | bs computer science | **3.5 GPA**