Salvador Aleguas

Open-source Developer

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Education

Current freshman at the University of Florida pursuing a Bachelors of Computer science and looking for internship opportunities. Highly motivated open-source developer and writer with a passion for technology. Advanced proficiency of Python and knowledge of the internet, including SEO work which has placed multiple websites on the front pages of Google, Bing, and other major search engines. Specializes in planning, designing, and publishing large-scale projects, including cutting-edge projects (which are in further detail below).

Experience

Medium & GitHub   *Online*

Advanced Coding Copywriter   *Spring 2018 - PRESENT*

- Top writer on **Medium**, with over **55,000+** reads total.
- Writer for three different documentations, topics ranging from data science to cybersecurity.

Computer Science Competitions   *Florida*

Award Recipient   *Fall 2018*

- 1st Place award in the "Code for Humanity" category at the Musthacks Hackathon.
- 2nd Place award for the **Lockheed Martin** CyberQuest competition.
- 7th Place at the UCF Competitive Programming National Championship.

TLF Apparel   *Weston, Florida*

Developer Intern   *Summer 2021*

- Managed and configured **cloud databases** of products and inventory information.
- Wrote own API using Python Web Wrappers to extend functionality of the cloud interface.
- Worked on a team of other developers to ensure smooth production of the website.
- Performed Search-Engine optimization using sitemaps and Liquid Tags.

Projects

Sole Developer | context_menu   *GitHub*

Python Library Design   *Summer 2020*

- First Library in history to create cross-platform context menus.
- Uses **meta-programming**, **object-oriented design**, and **data structures** to optimize interaction with the **Windows Registry** and **Linux Nautilus**.
- Used by **58,000+** developers worldwide.
- Automatic documentation building with **Sphinx** as well as **unit tests** deployed with **travis-cl**.
- Distributed and updated on Python's package manager PIP.

Sole Developer | Django Point System   *GitHub*

Full-stack Application   *Winter 2019*

- A point/attendance system created in **Django** that uses a relational database to track participation in an organization.
- Uses modern QR code technology to record attendees at meetings.
- Has a Block-chain inspired design to prevent corruption and enforce legitimacy.
- Complete with Front-end libraries such as **popper.js**, **jQuery**, and **particles.js**

Lead Developer | Pinnacle Grade Book Calculator   *GitHub*

JavaScript Web Extension   *Summer 2019*

- A **Google Chrome extension** that allows client-side grade manipulation to calculate and analyze grades.
- Interacts with the Broward County Public Schools(BCPS) online grade book.
- Collaborated with multiple developers to create, design, and publish on the chrome store.

Skills

Languages	Python, Java, JavaScript, C++
Concepts	Project Design, Project Marketing, Documentation, Full-Stack development, Cybersecurity, Databases, Functional Programming, Object-Oriented Programming, Search-Engine Optimization, Emerging Technology, Adaptability
Tools	Django, Jekyll, Vue.js, Liquid, Git, Word, Excel, Access, PowerPoint, LaTeX, Selenium