Anaisy Garcia

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EXPERIENCE

Hardware Engineer   Nov. 2020 - Present
Pixels On Target LLC | Sunrise, FL

Hands on knowledge of both software and hardware development within the field of product production.

Knowledge of modifying PCB's, produced breakout boards, and modified cables using various soldering techniques.

Reverse engineered software written by other companies and collaborated with engineers at other companies to edit according to company needs.

Programmed software in Python to interact with development boards, micro-controllers, digital multi-meters, and scopes.

Verified product software and hardware functionality of several products before shipments are made.

Revamped product software using latest GitHub releases from company.

Verified schematics for production hardware using data sheets, excel spread sheets, and company documents.

Co-Authored DVT documents, produced test documents within Microsoft Word, fabricated Microsoft Excel spreadsheets for hardware revisions, and generated Microsoft Excel spreadsheets to compare different pieces of hardware.

Key Accomplishments:
- **Pioneered and directed company in Automation** by creating over 30 Python scripts.
- Significantly increased the value of QC report creation process and **significantly decreased labor and time by 80%** by creating a Python script that automatically collects data and saves a report to the cloud.
- Conceptualized a Python script to retrieve data from a ballistic calculator and visualize a report in real-time.
- **Directed and managed over 20 Jira tickets** for Hardware and software projects, issues, and revisions.
- Developed Confluence pages in a team of 10 to organize and document all progress done on Jira tickets.

Key Responsibilities:
- **Lead company in Automation, script debugging, functionality validation, and Python development.**
- Managed complex hardware and software problems to accurately resolve issues and ticket into Jira, and prepare reports on confluence summarizing and analyzing the issues.

EDUCATION

Florida International University | Bachelor of Science in Computer Engineering   Aug. 2020
   GPA: 3.23/4.0
   Transfer Academic Achievement Scholarship; LGBTQ+ Mentor

Miami Dade College | Associate in Arts in Computer Engineering   Jul. 2018
   GPA: 3.92/4.0
   American Dream Scholarship; Calculus Tutor; Beta Pi Theta Chapter Officer, Hispanic Professional Engineer

PROJECTS

Constantly improving a self produced website to educate people on topics such as Programming, Information Technology, PC Repair and Building, Electronics, Telecommunications, and Cyber Security. Website: https://garciaatech.github.io/

Developing several OpenCV and Python projects including a Hand Tracking software to use for streaming, body pose recognition for a workout app, a document scanner app, and several others. GitHub for all projects: https://github.com/garciaatech

SKILLS

Certifications: Microsoft Word, Microsoft Excel, and Microsoft Power-Point

WAN, LAN, VPN, TCP/IP, DNS, VLANS | Python | Windows, Linux, Mac | iOS, Android | PC Repair and PC Building| Git, GitHub | Cisco Packet Tracer | Networking | Wireshark | Arduino | OpenCV | Soldering | HTML

Languages: Fluent in Spanish and English