

Ralph Gorham

Software Developer

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Multi-faceted individual with background in history/law as well as technical skills in web development and cyber-security. Have a Master Degree in Computer Science as well as BA in History. Had trial experience as a paralegal working in a high pressure environment. Utilized natural language logic to make computers "talk" while adjusting accordingly to users and clients' feedback. Helped build website for a smart oil gauge. I am looking for a position that will grow my personal and professional experience while working in a fun, team-oriented environment.

Experience

Apr 2019 - present

IT/Cyber Security Services

2Secure

- Set up VMWare virtual machines
- Enhanced penetration testing skills with various Kali Linux tools and Metasploit

Technology Summary:

- System & Tools:* Kali Linux, VMWare, Metasploit, Burp Suite

Jul 2018 - Nov 2018

Full Stack Web Developer

Connected Consumer Fuel

- Designed and developed website for smart oil gauge using LAMP/WAMP architectures
- Developed web components per requirements using AJAX techniques
- Authored micro sites for prospective clients matching clients' branding and styling
- Controlled most of front end development for website implementing responsive UI design using HTML, CSS, and Bootstrap
- Set up Linux environment for development and FTP to staging/production server
- Built a maintenance system for admin users
- Implemented authentication using PHP-Auth library
- Worked with senior developer on responsive design patterns
- Wrote SQL stored procedures for accessing server side data
- Developed HTML email templates for company marketing
- Used Constant Contact API calls and PHP Mailer to set up mailing and subscription service

Technology Summary:

- Programming/Languages:* HTML, JavaScript, AJAX, PHP, CSS, MySQL
 - Libraries/Modules:* JQuery
- Systems & Tools:* Linux, Windows, FTP
- Design/IDE Tools:* Git Flow, Atom, MySQL Workbench, LAMP, WAMP, Bootstrap

Feb 2014 - Oct 2017

Knowledgebase Developer

Creative Virtual

- Designed Python to parse XML responses in order to analyze the large data sets of user inputs for user trends and patterns and to track performance metrics of answers
- Leveraged Python to reduce time needed for custom reporting and analytics for clients by around **80%**
- Automated regression testing user inputs with Python and Selenium
- Employed Python to create knowledge base within VPortal set up for client usage
- Collaborated with other team members on best practices for build and how to improve Knowledgebase
 - whether to target false positives
 - suggestions on how to improve poorly performing answers
 - fixing gaps and failed inputs in knowledgebase
- Handled client contact when team manager was unavailable
- Utilized Python and HTML to build decision trees for natural language processing as well as to edit and adjust the answers in knowledgebase based on client and user feedback
- Analyzed user data weekly to gauge performance of client's virtual assistant and to gather insights on user data
- Managed analytics and custom reporting using Python & Bash scripts

Technology Summary:

- Programming/Languages:* Python, HTML, JavaScript
 - Libraries/Modules:* Python-NLTK, Pandas, Python-Openpyxl, Selenium, BeautifulSoup, Mechanize, elmtree
- Systems & Tools:* Linux, Windows, SSH, FTP, MS Excel
- Design/IDE Tools:* PyCharm, VPortal

Oct 2013 - Jan 2014

Digital Agency Project Coordinator Intern

Aptinet Inc.

- Created digital billboards using HTML/CSS/JavaScript
- Evaluated quality assurance by testing company websites
- Contributed valuable insight on design patterns

Technology Summary:

- Programming/Languages:* CSS, HTML, JavaScript

Education

Iona College

M.S. in Computer Science
Distinction in Cyber Security

Technology Summary:

- *Programming/Languages* : Java, PHP, Python, HTML, JavaScript, CSS, Prolog
- *Systems* : Linux, Mac OS, Windows
- *Cyber Security Tools* : BurpSuite
- *Databases* : MySQL, MongoDB
- *Design/IDE Tools*: WAMP, Eclipse, UML

Duke University

B.A. in History
Minor in Psychology

Technology Summary:

- *Programming/Languages*: Java, C++
- *Systems*: Unix, Mac OS

Technical Skills

