Nicholas Workman

Software Engineer // Computational Linguist

Passion-driven developer seeking his next challenge.

✉ nickmanwork@gmail.com   📱 (720) 340-1561   📍 Charlotte, NC   in linkedin.com/in/nicholasworkman

RELEVANT EXPERIENCE

Full Stack Software Engineer
Omnichain

06/2019 - 12/2019   *Los Angeles, CA*

Achievements/Tasks

- Assisted in constructing a front-end supply chain management web app in XAMPP stack, mainly using PHP and JavaScript.
- Optimized and expanded the app's back-end in MySQL, with emphasis on API and stored procedure work.
- Performed static and dynamic graphics work with Adobe Photoshop, Illustrator, InDesign, and Premiere Pro.

Full Stack Developer
HaulMi

01/2019 - 03/2019   *Raleigh, NC*

Achievements/Tasks

- Maintained and improved HaulMi's front and back-end web services; improved UI/UX.
- Performed Agile dev. using AWS, Linux, Node.js, NPM, MongoDB, React, HTML, and CSS.
- Implemented new and consistent cyber security protocols company-wide.

Computational Linguist
Credit Suisse

10/2018 - 01/2019   *Morrisville, NC*

Achievements/Tasks

- Performed cognitive interaction design of the A.I. Amelia on the CIxD team, including automated testing.
- Used Apache Groovy primarily, as well as certain JavaScript and Python frameworks, including NLTK.
- Deployed a more accurate natural language classification system; improved NLP accuracy scoring by 20%.
- Developed global, company-internal chatbot functionality according to Credit Suisse business rules.

EDUCATION

B.A. Linguistics; Spanish, Portuguese (minors)
Georgetown University

2012 - 2016   *Washington, DC*

High School Diploma (summa cum laude)
Woodberry Forest School

2008 - 2012   *Woodberry Forest, Virginia*

Achievements

- 12 Trimester Walker Scholar (4.01+ GPA of 4.50 total)

SKILLS

Python   MySQL   PHP   Ruby   CSS
JavaScript   Node.js   React   Apache Groovy
NLP   NLTK   Rasa   Linux   AWS   Jira
DBeaver   dbForge   MongoDB   Postman

PROJECTS

- Contributor to the Georgetown University Multilayer Corpus (09/2013 - Present)
  - http://corpling.uis.georgetown.edu/gum/
- Built a robust English-Portuguese finite-state translation machine using Foma and Python (NLTK), capable of handling syntactic transfer, sense-disambiguation, and out-of-vocabulary terms. (08/2015 - 12/2016)
- Conducted Applied Linguistics research under a Department of Defense contract for the Center for Applied Linguistics; used Python and MySQL. (05/2015 - 08/2015)

VOLUNTEERING

- Studied abroad at Oxford University; Brasenose College.
- Volunteered and taught abroad in Estelí, Nicaragua.
- Lead Prose Editor and Designer of The Talon, a CSPA-distinguished Literary Arts publication.
- Provided English-Spanish translation for the City of Wilson's Victim Assistance Program.

LANGUAGES

English   ●●●●●
Spanish   ●●●●●
Portuguese   ●●●●○

INTERESTS

Brazilian Jiu-Jitsu   Music Composition
Digital Art & Design   Tennis   AI