

Siyuan (Newton) Xu

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EMPLOYMENT

Ruder Finn Shanghai

July '16-Aug '16

Intern

- Built registration analyzer web app for speedy identification of no-show's and registrants for events, reducing time spent from 10 minutes to 15 seconds
- Proofread and wrote human resources documents and memos for English speaking accessibility
- Assisted in planning and developing events for interns

PROJECTS

Hacker Academy website

Aug '16-Cur.

<https://github.com/HA2015/hacker-academy>

HTML, CSS, Javascript, Ruby on Rails

- Restructured data models for password protection and user categorization
- Created Javascript and back-end validations for user errors
- Reviewed SQL table categories for indexing for improved performance
- Improved UI experience through front-end changes

Front-end projects

Jun '16-July '16.

<http://codepen.io/NewtonXu/>

HTML, CSS, Javascript

- Built dynamic web applications such as Tic-Tac-Toe, a Pomodoro clock, a calculator, and a Simon Says game
- Created web apps that display data pulled through RESTful API calls to OpenWeather, Twitch.tv, and Wikipedia

Semantic synonym predictor (CSC180 project)

Jun '16-July '16

<https://github.com/NewtonXu/semantic>

Python

- Uses semantic similarity formula to guess the synonym for a word by parsing through novels and comparing frequency of words appearing together
- Achieved a 70% success rate on 10 test cases

EXTRACURRICULAR

Hacker Academy Executive Team

July '16-Cur.

Finance and Logistics Coordinator

- Responsibilities include managing the bank account, deciding budgets, planning events and promotions, and managing the website
- Created a web development and professional development curriculum for the portfolio building workshops
- Planned recruitment session promotion resulting in over 30 attendees, and gained over new 150 signups on the website

LANGUAGES

Proficient

Python, C, HTML, CSS, Javascript, Ruby, RegEx, SQL

Familiar

MATLAB, jQuery, AJAX

TOOLS

IDEs

Codepen.io, C9.io

Web Development

Heroku

Productivity

Git, GitHub, Bash, Microsoft Office

Frameworks

Ruby on Rails, Bootstrap, SASS, Numpy

EDUCATION

Candidate for Bachelor of Engineering Science (B.A.Sc.) Expected Apr '19

GPA: 3.84 (Dean's Honour List)

Awards

President's Entrance Scholarship - \$2000