jonathan lemos

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education

bs | computer science
university of north florida
spring 2018 - present
- expected graduation: december 2020
- gpa: 4.0
- dean's list: spring 2018 - present

skills

languages
c • c++ • c# • html/css/javascript • java • node • python • R • react • scala • sql • typescript

operating systems
arch linux • ubuntu • windows 10

ides
visual studio • pycharm • intellij • vim

other skills
git • regex • linux • LaTeX

coursework

- computer science I & II
- data structures
- computability and automata
- systems software
- compilers
- networks
- databases
- operating systems
- software engineering
- internet programming

competitions

hourrank 31
an hour-long competition held on hackerrank
placed 154 out of 962

ieeextreme 2019
24 hours of algorithms torture
placed 19 out of 202 in the u.s.

projects

isqexplorer
asp.net mvc app that scrapes instructor ratings off a hidden website
- has a mobile-responsive frontend for an otherwise arcane user interface
- results are delivered as-you-type using *react*
- *typescript* is used for increased scalability over plain javascript
- results are cached via *entity framework* backed by *sql server* for faster responses
- the project is unit tested with *nunit* and *moq* is used for isolation

csearley
a compiler on steroids written in c#
- you describe the language, give it a file, and it builds a parse tree for you
- left-recursive, right-recursive? doesn't matter
- ambiguous and nondeterministic grammars are supported
- unit tested with nunit and commented well throughout

so, you got a poor cs1 professor
a react single-page wiki designed to aid cs1 students
- for some reason, unf decided to make cs1 *online only*
- as a result, all of those students seem to be struggling with the concepts
- this wiki is designed to explain those concepts as quickly as possible
- includes a custom code block react component with multi-level highlighting
- features a custom sidebar react component that dynamically updates as you scroll

experience

autopoint - software development intern
february 2020 - present
- write full-stack applications using c#, asp.net and sql server on the backend
- html, sass, and javascript on the frontend

duos technologies - ground truth engineer
may 2019 - february 2020
- worked closely with a variety of deep learning models and help verify their outputs
- helped categorize data using a variety of imaging techniques

clubs

o-sec | osprey-security
fall 2018 - present
   o-sec's purpose is to practice the latest cybersecurity and penetration testing concepts on actual systems designed to simulate real-world environments. once-a-year the club participates in ccdc, a national cybersecurity competition.

airo | artificial intelligence research organization
fall 2018 - present
   airo's purpose is to teach students about the latest in AI while collaborating with other departments to build real-world AI models.