Joshua David Wootonn

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Education

The University of Iowa – Iowa City, Iowa   Estimated Graduation: May 2019
Bachelor of Science in Computer Science and Engineering   GPA: 3.54/4.00
Focus: Software Engineering

Work Experience

Software Development Intern   September 2017 – Present
IDx LLC, Iowa City, Iowa
   » Converted and optimized 3 legacy programs from Python to C#
   » Automated retrieval, markup, and update of requirement documentation on TFS and SharePoint
   » Created a web interface in React.js for automation control

Project Estimator and Software Developer   March 2016 – August 2017
All American Concrete Inc., West Liberty, Iowa
   » Designed an application in the Qt, C++ framework to track and analyze labor costs
   » Deployed Time Track to tablets connected to a MySQL server allowing employees to input work times

Technical Skills

Languages and Tools: Javascript, React, C++, C#, Qt, Java, Ruby, Rails, MongoDB, HTML, Sass, CSS, MySQL, Linux
Strong Understanding and Application: Algorithms, Data Structures, Probability, Computer Design, Networking

Personal Projects

MERN Web Stack Study   August 2017 – Present
   » Learned many web technologies including Node.js, Express.js, React/Redux, and MongoDB
   » Created projects including a Trello.com clone, a cryptocurrency tracker, and a League of Legends analyzer

Midwest Big Data Hackathon   September 2017
   » Collaborated with a group of other students create a Twitter hashtag tracker called Tweet
   » Adapted to stringent Twitter call caps and gained experience with the Google Maps API

RightClick.gg   August 2017
   » Studied React to create a player analysis app for League of Legends
   » Expanded knowledge of Ajax to pull data without redundancy

The Odin Project   March 2017 – August 2017
   » Completed over 40 projects and numerous readings on Ruby, Rails, Git, JavaScript, and JQuery
   » Finished projects ranging from a flight registration system in Rails to a chess game in Ruby
   » Expanded knowledge on Object Oriented, Test Driven, and RESTful development

Volunteer Experience

Dental Assistant   March 2017
Dr. William Wever, DDS, Manzanillo, Mexico
   » Assisted in daily operations of a dental clinic that served over 30 orphans
   » Polished and flossed, while assisting in filling, sealing, and extracting teeth

Intern   June 2015 – July 2017
J-Life South Africa, Johannesburg, ZA
   » Trained and collaborated with other interns in planning and running three camps for orphans
   » Led cross country running groups and coached kids that were aspiring runners