Yoel Ivan

Aiming to obtain a full-time work opportunity in computer science related field that allows me to learn on how to apply skills gained throughout my education career in a professional setting.

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Education

December 2016 Atlanta, GA
Georgia Institute of Technology

Bachelor of Science in Computer Science: Info/Internetworks and System/Architecture Threads
Faculty Honors – Spring/Summer/Fall 2015
Best Auto Hack Award @ HackGT'16
GPA: 4.00

June 2014 Auburn, WA
Green River Community College

Associates of Science with Highest Honor
2012-2014 Scholastic Award
GPA: 3.95

Projects

2016
OWB

Built a web based conferencing tool for remote classroom setting with WebRTC for real-time audio and websocket for real-time whiteboard and question polling.

2016
Cache2Sim

Developed two level cache simulator with victim cache in order to find the best cache configuration for different computing workloads.

2015
Tunes File System

Virtual file system implemented using FUSE and chromaprint, dedicated to automatically tag, sort, and manage music as well as perform a backup to a remote server.

2015
RxP

Developed a TCP-like transport protocol in Python with support for sliding window, congestion control, checksum, packet retransmission, socket multiplexing, and connection establishment and termination handshake.

Skills

Programming Experience
JavaScript, Java, Python3, C/C++, Scala, React.js, Redux.js, D3.js, Node.js, Express.js, Bash, Semantic UI, Regular Expressions, HTML5, CSS3, Verilog HDL, Android SDK, Bootstrap, jQuery, mongoDB, EJS

Concepts
Object-oriented Programming, Agile Method/SCRUM, Data Structures, Algorithms Design, Graph Theory, Linear Algebra, Calculus

Software/Tools
git, Webpack, npm, Quartus II, ModelSim, Wireshark, nmap, gdb, iptables, dig, traceroute, Burp Suite, sbt, Android Studio, Visual Studio, LaTeX/TeXStudio, Adobe Photoshop

Operating System
Linux, Windows

Experiences

January 2016 – May 2016
College of Computing Tutor

Provides weekly one-to-one tutoring to help fellow Georgia Tech students for computer science course, specifically CS 2200 (System & Networking).

June 2013 – March 2014
TRiO Tutor (Student Support Services)

Provides comprehensive academic support services for first generation and low-income students and students with disabilities.

Languages

English, Indonesian

Interests

Software Architecture, Design Pattern, Web Service, Networking Software, Functional Programming, Web Development, Distributed Computing, Big Data, IoT