Julian **Domingo**

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Education

The University of Texas at Austin *Austin, TX*
B.S., Electrical and Computer Engineering, Major GPA: 3.5 *Fall 2018*
- **Coursework:** Algorithms • Concurrent and Distributed Systems • Software Design and Implementation (C, C++ and Java Data Structures) • Software Testing • Introduction to Computing Systems (Assembly, Computer Architecture) • Introduction to Embedded Systems (ARM Assembly)

Employment

Amazon.com *Austin, TX*
Software Engineer Intern *May 2017 to Aug 2017*
- TBD

Intel Corporation *Austin, TX*
Post Silicon Validation Intern *Oct 2016 to Present*
- Integrated testing functionality from an existing software into a new internal codebase for system-on-chip validation
- Developed a graphical user interface for the functionality to simplify selection and loading of test programs in Kivy
- Took responsibility to maintain, test, and add additional features to the codebase
- Developed Python scripts to automate manual validation testing procedures, significantly reducing time costs for validation teams

Projects

Chat Client
HTTPS://GITHUB.COM/JULIANDOMINGO/CHATROOM
- With a partner, developed a chat client in Java with socket programming using observer design pattern
- User could communicate with other users from different machines, privately messgae users, send emojis, login with a unique username, logout from the server, and see who is online real-time with the UI written in JavaFX

Embedded Systems Game
HTTPS://GITHUB.COM/JULIANDOMINGO/EE319K
- With a partner, designed from the ground up a "dungeon crawler" game in C through a microcontroller and won third place in a class of 50+ teams
- Implemented finite state machine for the player to change rooms, concurrent background music, and used double buffering to improve rendering quality

Blip Language and Parser
HTTPS://GITHUB.COM/JULIANDOMINGO/EE312/TREE/MASTER/PROJECT6
- Created programming language in C++ that parsed input from text file and handled integer instantiation and computation, output to console, conditionals, and while loops
- Utilized polish notation in the form of expression trees to handle integer computation

Academic Involvement

Codepath.com *Austin, TX*
Teaching Assistant - Web Security *Jan 2017 to Present*
- Lead weekly discussion sessions overviewing topics in web security fundamentals, and assist students in assignments applying these fundamentals utilizing PHP and a MySQL database

Skills

Languages	Java, C, Python, PHP, SQL, C++
Web Development	HTML, CSS, JavaScript
Frameworks/Tools	jQuery, Bootstrap, Kivy
Other	Voltmeter, Oscilloscope, Soldering, Circuit Building and Analysis