

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

- Will work in the Amazon Fulfillment Technologies group

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](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 message 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](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](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