

Andrés Morales

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OBJECTIVE Fourth-year Computer Science & Engineering student seeking a full- or part-time internship to apply and develop my programming and problem solving skills.

EDUCATION **Santa Clara University** — Computer Science & Engineering
Expected graduation June 2020
Relevant completed coursework:
Computer: Compilers, Algorithms, Data Structures, Computer Networks, Operating Systems, Embedded Systems, and Web Programming
Electrical: Digital IC Design, Electric Circuits, Logic Design, and Physics
Math: Differential Equations, Linear Algebra, Statistics, and Calculus

SKILLS C, C++, Java, and Python proficiency
Web programming using Javascript, Node, and HTML/CSS
Familiarity with Linux environment and terminal
Experience with group projects and version control with Git
Excellent verbal communication and conversational Spanish

EXPERIENCE **SCU IoT Lab** — *Student Researcher* *Jun. 2019 – present*
Read papers and work on testbed to investigate the viability of a home network DDoS and malware prevention system using Snort IDS on a Raspberry Pi

SCU Media Services — *Media Systems Assistant* *Jun. 2018 – present*
Organize scheduling and delivery of audio/visual equipment on campus; provide technology support to faculty and students

Peninsula Bible Church — *Children's Ministry Intern* *Jun. – Aug. 2017*
Planned, prepared, and led lessons, events, and camps for children and families

Staples — *Sales Associate* *Jul. – Sep. 2016*
Assisted customers with choosing office supplies and quick checkout transactions

PROJECTS **C subset Compiler** (quarter-long Compilers lab)
Used C++ to build a lexical analyzer, recursive-descent parser, and assembly code generator with type checking and error reporting for a subset of the C language

SDN Simulation (Networks final project)
Simulated a Software-Defined Network using a multithreaded UDP server using C socket programming to control routing

andresmorales.site — Bootstrap
Used HTML, CSS, and Javascript with the Bootstrap framework to create a personal portfolio website

Handi Job Finder — Android Studio
Designed and built a demo “handyman” Android app for posting and sharing local work and volunteer opportunities

ACTIVITIES **Alpha Gamma Omega fraternity**
President, Spring 2018 – present
House Manager, Summer 2018 – 2019