

# ALBERT K. NGUYEN

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## OBJECTIVE

▪ Creative, passionate Computer Science and Engineering student seeking to gain practical and professional experience in the computer science field. Proficient in multiple computer languages, collaborated on a student-run robotics project, and self-taught Arduino microcontroller knowledge for personal projects.

## EDUCATION

### **University of California, Merced, CA**

- B.S., Computer Science and Engineering
- Cumulative GPA: 3.40

**Expected Graduation: June 2020**

### **Skyline College, San Bruno, CA**

- Cumulative GPA: 3.14

**August 2016 - June 2018**

## RELEVANT COURSEWORK

- Data Structures
- Computer Organization and Assembly Language
- Algorithm Design and Analysis
- Computer Networks
- Introduction to Robotics

**In Progress**

**In Progress**

**In Progress**

## SKILLS

- Programming Languages (Proficient): C/C++, Java, HTML/CSS, Assembly
- Programming Languages (Intermediate): Python, JavaScript
- Understanding of computer networking fundamentals (TCP/IP, L2/L3, etc.)
- Experience using Git/Github, Linux, electronic equipment/tools, and microcontrollers
- Proficiency with circuit design/analysis, Microsoft Word, Microsoft Excel, and typing (80 WPM)
- Ability to work independently and collaborate in a team environment
- Passion for firmware and embedded systems programming
- Enjoy learning, solving challenging problems, and making creations that incorporate my own unique design

## PROJECTS

### *Autonomous Ball Collection Robot*, **School Club Project**

**Spring 2018**

- Team engineering project to build an autonomous ping pong ball collection robot
- Collaborated and designed with a team of different engineering students
- Created the circuit to connect the sensors and motors to an Arduino microcontroller
- Programmed the infrared sensor and color sensor for position control and ball detection

### *Arduino Alarm Clock*, **Personal Project**

**Summer 2017**

- Design project to build and code an alarm clock with circuits
- Taught self how to use the Arduino microcontroller and language (C/C++)
- Engineered and refined a concise Arduino circuit by continuously debugging and testing the code and circuitry
- Implemented core Arduino programming concepts to create a fully-functional alarm clock

## EXPERIENCE

### *Intern*, **Zuckerberg San Francisco General Hospital (Facilities Department)**

**Summer 2015**

- Independently organized cost and construction data for the Executive Project Manager
- Reconciled inconsistencies between different blueprints that were continuously updated
- Archived design plans to ensure seismic upgrades were thoroughly documented