

# Edward D. Ng, Jr.

79 Ranger Rd., Dumont, NJ 07628 | cell: (201) 982-6491 | edwardng827@gmail.com

---

## Education

**Bachelor of Science in Computer Engineering** May 2019  
New Jersey Institute of Technology, Newark, NJ

**Bachelor of Science in Physics** May 2015  
The College of New Jersey, Ewing, NJ

---

## Relevant Courses

- Digital Design
- Programming Language Concepts
- Computer Organization and Architecture
- Computer Engineering Design Lab
- Microprocessors
- Principles of Operating Systems
- Digital Systems
- Advanced Computer Architecture

---

## Skills

**Technical:** Proficient with C++, Java, VHDL, ARM, and Microsoft Office

**Foreign Language:** Limited working proficiency in Tagalog, elementary proficiency in Spanish

---

## Projects

### **Annunciator**

- Utilized FRDM-KL25Z microprocessor to simulate an alarm system for a storage tank to alert users if the tank was full or overflowing
- Programmed the alarm system for the simulated storage tank using ARM

### **Water Level Sensor**

- Used C++ to detect the water level of a body of water through an Arduino board
- Utilized an ESP8266 board to send alerts to the user's phone if the water level fell outside of an acceptable range

---

## Work Experience

**Part-Time Teacher** February 2016 – Present  
Huntington Learning Center, Englewood, NJ

- Assists middle and high school students in math and physical sciences
- Tutors students in SAT and ACT math to increase clients' score

**Substitute Teacher** February 2015 – May 2015  
Montgomery Township School District, Skillman, NJ

- Managed middle and high school classes across all subject areas

---

## Leadership Experience

**TCNJ Asian American Association** May 2015  
*President*

**TCNJ Chinese Yo-Yo Club** May 2015  
*President*