

OBJECTIVE

Seeking summer internship providing experience with product design or multidisciplinary engineering projects.

EDUCATION

Texas A&M University - College Station, TX (Major GPA 3.62) December 2020
 B.S. Computer Science ; Minor in Project Management
Education Abroad : Hong Kong University of Science and Technology Summer 2017
Design Skills : Solidworks | Breadboard Design | Google Earth Pro | Web Expression | Affinity Photo
Programming : Java | Visual Basic Editor | Android Studio | MATLAB | LabVIEW IV | HTML | Arduino

RELEVANT EXPERIENCE

Dwight Look College of Engineering **College Station, Texas**
Lead App Developer / Researcher June 2018 – Present

- Applied principles of the **5** human senses to develop products with easy use
- Invented intuitive, wearable devices with interaction algorithms with Arduino Lilypad
- Developed a mobile app though Java & Android Programmer to assist visually impaired students

Peer Teacher August 2018 – Present

- Taught students introductory concepts to python programming & engineering
- Guided students with information on available on **12** enrichment programs
- Communicated technical concepts to unfamiliar personnel
- Advised **96** students one on one & at mass

Research & Product Designer / Assistant Programmer August 2017 – May 2018

- Lead a team to develop a new method of constructing building envelops
- Created a new approach to molding building envelops for **300** lb of concrete
- Fabricated & automated **10** designs with modern technology like shape memory alloys
- Presented my research as the Senior Exclusive Engineering Showcase

The Emerson Electric Company **Houston, Texas**
Design Engineer (Intern) January 2018 – May 2018

- Redesigned the Daniel Compact Prover to improve maintenance & accuracy
- Worked on a design project remotely with a team of **5** interns
- Improved a support system to simplify maintenance with Solidworks
- Researched on the petroleum industry & emotional intelligence to improve user experience

Federal Emergency Management Agency **Austin, Texas**
Infrastructure Engineer (Intern) December 2017 – January 2018

- Used Google Script Editor to develop & share code functions
- Produced Technical Reports on damaged systems & engineering specifications
- Improved efficiency of data inputting by coding with Visual Basic

RELEVANT PROJECTS

Nifty Blockchain Conference July 2018

- Presented an original blockchain, augmented reality game with Unity in Hong Kong & won **3rd / 70th** place
- Reviewed user experience tests to renovate gameplay to improve retention rates

P.E.R. (Pluto – Electronic Rover) May 2018 – August 2018

- Designed a robot from scratch & an Arduino Nano board to navigate a maze
- Collaborated & presented with **2** students in Hong Kong

Aggies Invent August 2017 – April 2018

- Invented a bioluminescent algae agitator to create light without electricity
- Invented an Augmented Reality Fitness game to encourage prolonged fitness

ScholarFish August 2012 – May 2017

- Coded and updated a Java program to find local scholarships based off a user attributes
- Managed an organization of **200** members & raised over **\$60,000** per senior student in scholarships

STUDENT ACTIVITIES

Aggie Screenwriting, Acting, & Movie Production Club / Director of Videography June 2017 – Present

Bollywood Film Club / Co-founder & Director of Communication August 2017 – Present

National Society of Black Engineers / Volunteer & Tutor August 2017 – Present

Filipino Student Association / Member August 2017 – Present