

Jerry Chang



jc22.me

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EDUCATION

Stevens Institute of Technology

Hoboken, NJ

Bachelor of Engineering in Mechanical Engineering

Expected 2021

Course Work : Intro to Robotics, Control Systems, Intro to Modern Control Engineering, Design of Machine Components, Thermal Engineering, Fluid Dynamics, Engineering Design

GPA : 3.808

SKILLS

SolidWorks	Linux	Word
AutoCAD	Electronics	Excel
Machining	ANSYS	PowerPoint

PROGRAMMING

Python	C++	HTML/CSS
Java	MATLAB	JS/React
C	Arduino	SQL

EXPERIENCE

Con Edison

Engineering Aide Intern

May 2019 - December 2019

- Performed analysis in Excel of patterns in various case categories such as electrical voltage/phase, feeder and network location, and case status
- Wrote several scripts in SQL and macros in Excel to streamline reports and internal processes to save 30 minutes per day
- Created a short-term and long-term solution for managing customer inquiries

L3Harris Technologies

QA Associate

September 2018 - January 2019

- Performed series of tests such as ionic cleanliness testing and tensile strength testing to determine if part quality was within military and company specifications
- Operated an X-ray machine to inspect and search for flaws within FPGA circuits
- Created reports analyzing inspection findings and performed root cause analysis on failure types

NASA RMC Team

Robot Design

September 2019 - March 2020

- Headed the dispensing team and supervised the digging team
- Led the CAD teachings, structure, and organization with OnShape
- Prototyped several dispensing mechanisms to determine viability of different designs
- RMC 2020 competition was cancelled by NASA due to COVID-19

Engineering Design

Robot Design

August 2017 - December 2017

- Developed the overall design of the robot in SolidWorks
- Designed and 3D-printed sonar sensor mounts
- Programmed the autonomous routines for the robot
- Guided team partners in machine usage, wiring practices, and soldering techniques

Stuyvesant High School FIRST Robotics Team 694

Lead Machinist, Design Team, Mentor

September 2015 - June 2017

- Manufactured parts for a robot using mills and lathes
- Prototyped and aided in the design of the overall robot
- Led design groups for mechanism subassemblies like an integrated hopper/feeder and a cube intake
- Currently a mentor : 2017 - 2020

U.S. Citizen
Available May 2021