

# GARY CHANG

278 Main St., New Haven CT 06516

<https://cherrygang.github.io/Gary-Chang-Portfolio/>

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## Work Experience

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### Technical Services Engineer

May 2017 - Jun 2020

#### Epic Systems - Madison, WI

- Certifications: ASAP, ClinDoc - Inpatient, ClinDoc - Orders, Healthy Planet, Order Transmittal, Nurse Triage, Resolute Hospital Billing.
- Lead discussions with Management on the future direction of the Emergency Department.
- Develop and implement new software functionalities for emergency rooms in MUMPS.
- Analyze and optimize emergency room workflows for both nurses and physicians.
- Diagnose and resolve issues in production environments in high-paced emergency department settings.

### Engineering Intern

Jun 2016 - Oct 2016

#### Camras Vision - Durham, NC

- Developed new glaucoma implant models in SolidWorks.
- Improved existing device by designing viable solutions to control intraocular pressure.
- Implemented new manufacturing processes decreasing the scrap rate from 40% to 10%.

## Projects

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### Market Screener

Sep 2020

- Developing a Market Screener in Python using the yfinance and pandas libraries to identify equities to invest in for swing trading.

### Portfolio

Aug 2020

- Created a portfolio on Github Pages using HTML/CSS to store current and future projects.
- <https://cherrygang.github.io/Gary-Chang-Portfolio/>

### Sign Language Video Processing

Sep 2016 - Dec 2016

- Developed a program to analyze a video of hand-signed letters and translate to text.

### Self-Triage Urgent Care Scheduler

Jan 2016 - Jun 2016

- Developed an application in python to reduce the load on Emergency Rooms by scheduling patients with less serious conditions into Urgent Care centers.
- Placed third in the Triangle Health Innovation Challenge (THInC) 2016.

## Education

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### Duke University

Sep 2015 - Dec 2016

Master of Engineering | Biomedical Engineering | Medical Devices

### University of California - Irvine

Sep 2011 - Jun 2015

Bachelor of Science | Chemical Engineering | Biomolecular Engineering

## Technical Skills

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### Languages

Python, Java, HTML/CSS, MUMPS, SQL, C#

### Certifications

FreeCodeCamp Full Stack Certification

Dec. 2019