

Anya L. Keller

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Portfolio: anyakeller.github.io/portfolio

Dynamic mechanical engineer driven by curiosity and energized by innovation. Delivers efficient solutions rooted in mechanical design and manufacturing experience to meet client needs.

EDUCATION

Boston University School of Engineering *Mechanical Engineering*

September 2021 - Present

Full-Stack Web Dev Bootcamp at Columbia University

July 2019 - January 2020

Stuyvesant High School, New York, NY

Class of 2017

WORK EXPERIENCE

Machine Shop Laboratory Assistant *BU EPIC*

September 2021 - Present

Product Development Intern *va-Q-tec AG Würzburg, Germany*

June 2023 - August 2023

Junior Engineer *Kite and Rocket Research*

November 2018 - August 2021

Web Dev Bootcamp Teaching Assistant *Columbia University*

October 2020 - April 2021

Engineering Intern *Kite and Rocket Research*

Summer 2016 and 2018

PROJECTS

va-Q-tec

Vacuum insulation panel thickness measurement device

BU and EPIC

Injection Molding Instructional Documentation

StuyPulse Robotics Team 694

Robot Design

Part Manufacturing as Primary Machinist

Kite and Rocket Research

Vacuum Splint

CV Ball-Tracking Ping-Pong Robot

Rocket for the Chicago Toy and Game Fair 2019

Mill Safety Switch Cover

Machine Shop Compressed Air Delivery System

SKILLS

Design

CAD

SolidWorks, Autocad, Creo, Onshape

CAM

GibbsCAM, Fusion 360, SolidCam

Robotics

Arduino

Motor control (DC, stepper, servo)

Computer vision: OpenMV, PixyCam

Machining and Fabrication

General Shop

Manual Mill and Lathe Work

Waterjet Cutting

Laser Cutting

Additive

3D Printing (SLA & FDM): Formlabs,

Stratasys, MakerGear, Cubicon

Plastic Injection Molding: BOY 22 A

Computer Science

Languages

MATLAB, C, Python, Java

Database Management

SQL, MongoDB, Firebase

Workflow

GitHub, TravisCI, Kanban, GitLab

INTERESTS AND SECONDARY SKILLS

Full Stack Website Development

Github Pages, Heroku

JavaScript Node.js, React.js, Express.js, NPM

PHP WordPress

Python Flask

Human Languages

Conversational: Italian and German

Additional: Mandarin Chinese, French, Hebrew

REFERENCES

Ronald Kunicki, Mentor StuyPulse Robotics ronkunicki@hotmail.com

Robert Victor, Founder and CEO of Kite and Rocket Research - robert@kiteandrocket.com