

# Anya L. Keller

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Portfolio: [anyakeller.github.io/portfolio](https://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.

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## EDUCATION

<b>Boston University School of Engineering</b> <i>Mechanical Engineering</i>	September 2021 - Present
<b>Full-Stack Web Dev Bootcamp at Columbia University</b>	July 2019 - January 2020
<b>Stuyvesant High School</b> , New York, NY	Class of 2017

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## WORK EXPERIENCE

<b>Machine Shop Laboratory Assistant</b> <i>BU EPIC</i>	September 2021 - Present
<b>Product Development Intern</b> <i>va-Q-tec AG Würzburg, Germany</i>	June 2023 - August 2023
<b>Junior Engineer</b> <i>Kite and Rocket Research</i>	November 2018 - August 2021
<b>Web Dev Bootcamp Teaching Assistant</b> <i>Columbia University</i>	October 2020 - April 2021
<b>Engineering Intern</b> <i>Kite and Rocket Research</i>	Summer 2016 and 2018

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## PROJECTS

### BU and EPIC

Injection Molding Instructional Documentation

### StuyPulse Robotics Team 694

Robot Design

Part Manufacturing as Primary Machinist

### Kite and Rocket Research

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

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## 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

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## INTERESTS AND SECONDARY SKILLS

### Full Stack Website Development:

GitHub Pages, Heroku

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

PHP WordPress

Python Flask

### Languages:

Italian (conversational)

German (conversational)

Additional: Mandarin Chinese, French, Hebre

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## REFERENCES

Ronald Kunicki, Mentor StuyPulse Robotics [ronkunicki@hotmail.com](mailto:ronkunicki@hotmail.com)

Robert Victor, Founder and CEO of Kite and Rocket Research - [robert@kiteandrocket.com](mailto:robert@kiteandrocket.com)