Anya L. Keller

Tel: (646)-206-8789   Email: alkeller@bu.edu   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

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

Language Learning:
Italian (conversational)
German (conversational)
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