# Benjamin Yampolsky

Mount Kisco, New York | (914) 319-2399 | byampols@alumni.cmu.edu
LinkedIn: https://www.linkedin.com/in/byampols | GitHub: https://github.com/byampols | Portfolio: https://byampols.github.io/

## SUMMARY

Full Stack Web Developer with a background in creative writing and engineering. Passionate about using creative problem solving to develop unique, robust, and intuitive experiences. Strong communication and project management skills, and earned a certificate in Full Stack Web Development from Columbia Engineering.

## TECHNICAL SKILLS

- **Frontend:** React, HTML5, CSS, JavaScript, jQuery, AJAX, Python, Bootstrap, Bulma, Redux
- **Backend:** Node, Express, MySQL, Sequelize, Handlebars, RESTful APIs, Passport, MongoDB, Mongoose, GraphQL, Stripe
- **Other:** Git, Jest, SolidWorks, Arduino, Raspberry Pi

## PROJECT EXPERIENCE

**Columbia Engineering Coding Boot Camp** ***Quiz Maker*, Jan 2022**
*Deployed URL: https://bit.ly/3o1HusY* *Github Repo: https://bit.ly/3HajGKX*

- Developed a MERN stack application in under three days which allows users to create, share, and take multiple-choice quizzes
- Implemented a GraphQL API to render data from a MongoDB database using React.js

**Columbia Engineering Coding Boot Camp** ***Daily Wellness Tracker*, Sep 2021**
*Deployed URL: https://bit.ly/3dzeeUO* *Github Repo: https://bit.ly/3DxJXA9*

- Developed a front-end application which allows for a user to plan out a dietary, workout, and sleep schedule by half hour
- Managed and assisted a team of three other members to complete the application in two weeks

**Engineering Design II** ***Senior Capstone Project*, Sep 2018 – Dec 2018**

- Increased comfort and maneuverability of a chair by collaboratively researching, designing, and building a prototype with a team of four other members over the course of a semester, including market research and conducting a large-scale user survey
- Presented our prototype at a university-wide event and by creating an intensive, professional, report detailing our design solution, market analysis, manufacturing specifications, physical analysis, and theoretical future design direction

## WORK EXPERIENCE

**Carnegie Mellon University** **Pittsburgh, PA**
*Undergraduate Teaching Assistant (Maker Series: Make it Move)* *Jan 2019 – May 2019*

- Contributed to student learning and understanding over the course of a semester by preparing demonstrations, mentoring students during office hours, and by assisting the professor in lesson planning and project design
- Assisted in student projects by creating resources and code outside the scope of the class for use by students

**Carnegie Mellon University, Center for Atmospheric Particle Studies** **Pittsburgh, PA**
*Undergraduate Research Assistant* *May 2017 – Sep 2018*

- Contributed to all Center projects by learning how to use, collect data from, and prepare a Sonic Anemometer, as well as wrote Python code for collecting and storing data from Anemometers, for the purpose of measuring wind speed and direction
- Collected simulation data by mounting a Sonic Anemometer onto a drone and flying it, as well as assisting with manual data collection at various sites in the Monongahela River Valley, coordinating with multiple graduate and undergraduate researchers

## EDUCATION

**Columbia Engineering Coding Boot Camp** **New York, NY**
*Certificate in Full Stack Web Development* *Graduation: Jan 2022*

**Carnegie Mellon University** **Pittsburgh, PA**
*Bachelor of Science in Mechanical Engineering* *Graduated: Dec 2019*
*Creative Writing Minor*

- **Cumulative GPA:** 3.06/4.00
- **Relevant Coursework:** Engineering Design I/II, Advanced Fiction Workshop, Statistics, Social Psychology, Dexign Futures

## ADDITIONAL INFORMATION

- **Additional Skills:** Project Management, Proofreading & Editing, Microsoft Office
- **Continuing Education:** Novel Writing Master Class at Sarah Lawrence College in 2020