Benjamin Yampolsky

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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 currently earning a certificate in Full Stack Web Development from Columbia Engineering.

TECHNICAL SKILLS

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

PROJECT EXPERIENCE

Columbia Engineering Coding Boot Camp ***Tournament Hub*, Nov 2021**
Deployed URL: https://bit.ly/3y67siE *Github Repo: https://bit.ly/3EPiU4I*

- Developed a full-stack application which allows for a user to create, view, and comment of eSports tournaments
- Implemented RESTful APIs using express and sequelize and allowed users to login using a passport local strategy

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 under 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