

# Benjamin Yampolsky

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## SUMMARY

Application Programmer 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. Earned a certificate in Full Stack Web Development from Columbia Engineering, and currently working as a consultant at Bank of America through FDM Group.

## TECHNICAL SKILLS

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

## WORK EXPERIENCE

### Consultant/Application Programmer

Chicago, IL

FDM Group/Bank of America

Apr 2022 – Present

- Worked to capture and standardize the attributes of trades across all asset classes by making trade data available for enterprise consumers via an API, creating a single point of access to consume the entire inventory of deals across Global Markets, and providing real time trade monitoring
- Developed two full-stack user interfaces, using React and REST APIs, for consumers of Global Markets trading data, allowing Support and LOB developers to better diagnose issues, make key changes, and test new configurations
  - Book Sync Tool: A tool designed to aid in identifying problems with book syncs, a mechanism to quickly fetch deals, which uses grid functionality to asynchronously evaluate hundreds of book syncs, dramatically improving the speed at which the Support team can distinguish delayed and missing book syncs
  - Config Tool: An application that collects and displays attributes, both group and parent-level, allowing for viewing and creating of new overrides via an editable table that dynamically compiles and validates changes
- Solved complex bugs involving the review of thousands of lines of code to ensure continued and improved performance
- Improved and updated legacy UIs and assisted coworkers with UI setup and development
- Advised consumers and Support team by answering business queries and resolving issues on a weekly BAU rotation

### Carnegie Mellon University

Pittsburgh, PA

Undergraduate Teaching Assistant (Maker Series: Make it Move)

Jan 2019 – May 2019

- Contributed to student learning by creating resources and code and mentoring students during office hours

### Carnegie Mellon University, Center for Atmospheric Particle Studies

Pittsburgh, PA

Undergraduate Research Assistant

May 2017 – Sep 2018

- Contributed to all Center projects by writing Python code for collecting and storing data from Sonic Anemometers

## PROJECT EXPERIENCE

### Quiz Maker

Columbia Engineering Coding Boot Camp, 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

### Daily Wellness Tracker

Columbia Engineering Coding Boot Camp, 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

## EDUCATION

### Columbia Engineering Coding Boot Camp

New York, NY

Certificate in Full Stack Web Development

Graduated: 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