Matthew Fan

Developer + Designer + Engineer

Objective: To gain experience in product design and development, and create interesting products and systems.

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Portfolio
github.com/mattjfan
dribbble.com/mfan

Website | mattfan.me

Education

B.S. Computer Science + B.S. Mechanical Engineering
Expected **May 2020** | University of Maryland, College Park
·**GPA: 3.896**
·Banneker-Key Scholar (4-year full scholarship)
·Entrepreneurship and Innovation Program (Honors College)

Skills

Programming

Skill	Level
Python	●●●●●
HTML/CSS	●●●●●
Java	●●●●○
Javascript	●●●○○
C	●●●○○
AWS	●●●○○
Haskell	●●●○○
SQL	●●○○○

Design

Skill	Level
Illustrator	●●●●●
Photoshop	●●●●○
Flash	●●●●○
Graphics	●●●●●
Prototyping	●●●●●
UI/UX	●●●○○

Engineering

Skill	Level
Fabrication	●●●●●
CAD	●●●●○
Molding	●●●●○
3D Printing	●●●●○
Circuitry	●●●●○
Analysis	●●●●○

Experience

Executive Director, Startup Shell
May 2017 - **Current** | College Park, MD
·Manage a student-run incubator with over $20 million in combined value across current ventures.
·Develop and maintain relationships with corporate and university partners, and alumni.
·Manage day to day operations, supporting the over 20 active ventures in the Shell.

Founder, Quarky LLC.
Aug 2016 - Aug 2017 | College Park, MD
·Founded a toy design company that develops and 3-d prints abstract strategy games.
·Drafted and developed unique IP, and am patent pending for one of my designs.
·Managed production, shipping, and payment logistics for a made-to-order hardware venture.

Machinist, Protocad
May 2015 - Aug 2015 | La Plata, MD
·Worked on multiple contracts simultaneously and effectively managed deadlines.
·Fabricated high-tolerance parts from technical drawings.
·Molded, casted, and finished professional-grade prototypes and models.

Recent Projects

2017

Kudzu
·Developed front-end, database, and back-end code for a collaborative ed-tech platform.
·Designed UI and UX components, and implemented code to render across devices.
·HTML, CSS, JS, PYTHON, FLASK, PEEWEE, SQL

Fission
·Developed web-scraper, back-end, and email formatter and bot for a social activism platform.
·HTML, PYTHON, SPARKPOST

Over Sand Vehicle (ENES100)
·Developed behavior for an autonomous vehicle with an actuated sensor array.
·ARDUINO, CAD, CIRCUITRY