Daniell Yang

programmer. designer. investor.

daniellyang.github.io
github.com/daniellyang
daniell.yang@uwaterloo.ca
linkedin.com/in/daniellyang

Skills

Technical

Python • Java • Javascript • C
C# • HTML • Scheme • Git • SQL

Creative

Photoshop • Illustrator • InDesign
Flash • Muse • AfterEffects • CAD

Finance

Thomson Reuters Eikon • Capital IQ

Achievements

1st Place, HackWestern4
Best Use of Innovative AI
University of Western Ontario
Nov 2017

5th Place, DECA Internationals
Sports and Entertainment Promotion
DECA Inc.
Apr 2017

1st Place, Ontario Championships
Mixed Doubles
Badminton Ontario
Apr 2016

3rd Place, Ontario Championships
Men's Doubles
Badminton Ontario
Apr 2016

Education

University of Waterloo
*Bachelors of Computer Science
and Financial Management*
Sep 2017 - April 2022 (Expected)

Don Mills Collegiate Institute
*CyberARTS Graduate: Specialized
program focusing on Visual Arts
and Graphic Design*
Sep 2012 - Jun 2017

Interests

Fine Arts   Investing
Badminton   Cooking
Military History   Comicbooks

Projects

Bella, Dynamic Spotify Playlists
Python, Java

- Created an **iOS app** utilizing InterAxon's Muse headband to analyze an individual's brain-waves to generate a **dynamic Spotify playlist** perfectly suited for the user's complex and unique state of mind
- Designed an aesthetically pleasing iOS app by researching current **UI/UX design trends** and designing **wireframes** for the app
- Developed song selection algorithm by connecting with the **machine learning** back-end and assigning moods to the neural net's numerical output
- Won **Best Use of Innovative AI/Deep Learning Interface** out of 100+ teams at MLH HackWestern4

OptionBuddy, Option Pricing Calculator
Python

- Developed a program that returns the fundamental greeks (delta, theta, vega etc.) of a financial derivative by using **Yahoo Finance's API** to pull live stock quotes and **Black-Scholes Option** pricing model to accurately calculate the "Greeks" and the fair option price

Experience

Market Research Analyst, Financial Analysis and Risk Management Assc.
Sep 2017 - Present

- Educated over 100 members on the 2017 US economy through fundamental analysis (comparables, DCF, etc.) of over 40 publicly listed companies
- Fostered the budding finance community by reporting on macroeconomic news in the *Finding Alpha* monthly letter

Marketing Analyst, UW Finance Association
Sep 2017 - Present

- Increased member retention and traction by 20% through social media management
- Reached over 1400 people on Facebook using Adobe Photoshop, Illustrator and InDesign to modernize marketing materials
- Taught personal finance to over 300 students by hosting free workshops

Co-Founder, Computer Science and Finance Student Association
Sep 2017 - Present

- Created club to fill the lack of guidance and educational resources on the intersection between computer science and finance
- Organized guest speakers to present at weekly seminars to over 70 students on a variety of topics like algorithmic trading

VP Finance, UW Marketing Association
Sep 2017 - Present

- Reduced operationg costs by 15% through effective budgeting of club resources and accurate financial projections

Marketing Analyst, DMCI DECA
Sep 2016 - Jun 2017

- Collaborated with the marketing team of the Toronto Argonauts to create an innovative marketing plan that would rekindle Toronto's football culture
- Presented to industry professionals, winning 4th out of 400 competitors at DECA provincials and 5th out of 100 competitors at DECA Internationals