

HUNTER KEMENY

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EDUCATION

Duke University

May 2024

Bachelor of Science, Physics and Mathematics, 3.7/4

Selected Coursework: Data Structures and Algorithms; Neuroscience and Human Language; Behavioral Neuroscience; Introductory Philosophy

MIT OCW

Selected Coursework: Automata, Computability, Complexity; Mathematical Logic; Discrete Math; Multivariable Calculus, Real Analysis; Probability and Statistics; Artificial Intelligence; Deep Learning; Advanced Software Construction; Classical Mechanics; Electromagnetism

EXPERIENCE

Krona Applications Inc.

Phoenix, AZ

Founder and CEO

August 2019 – March 2020

- **KronaCash** was an app that automated coupon, deal, and rewards saving for users
- **Managed** a team of four programmers to build a **Minimum Viable Product** (Xcode, Swift, Firebase)
- Completed YC Startup School and made it to the penultimate round of YC selection
- Raised **\$20k+ in pledged seed funding** from ten separate angel investors
- Shut down operations due to the Coronavirus pandemic

PROJECTS

Algorithmic Stock Trading

github.com/hunterkemeny/ScalpingAlgoTrader

- Designed and implemented long&short **intraday** algo-trader with 2:5 risk/reward ratio (**Alpaca API, Python**)
- Achieved **~65% accuracy** predicting next-minute price direction with **deep neural network** (Tensorflow)
- Used **GPU Mirrored Strategy** to train neural networks and tune hyperparameters (GCP, Colab, Keras Tuner)
- Built daily **data wrangling procedure** for **Wharton's** NASDAQ millisecond ticker data (NumPy, Pandas)

OneHealth Mobile App (iOS App Store)

github.com/hunterkemeny/OneHealth

- Suggests **personalized daily diet and exercise routines** to help user meet weight goal in the desired time
- Tracks workout data with **Apple Watch HealthKit** and diet data with **MyFitnessPal API** (Swift, Python, GCP)
- **Graphically displays** the relationship between calories burned, calorie intake, and weight over time
- Sends **notifications** reminding user to workout, meditate, and track their weight progress
- Displays feed of scientific articles & videos on nutrition with the goal of **decreasing health misinformation**

SKILLS

Programming Languages: Proficient in Python, Java, Swift, Node/JS, Shell; Familiar with PHP, C++, SQL

Libraries: TensorFlow/Keras, Pandas, NumPy, Matplotlib/Seaborn, Scikit-Learn, Express, Firebase

Technologies: Jupyter/Colab, LaTeX/MathJax, Git, Xcode, React; Familiar with AWS/GCP, MySQL, Linux

Practices: Unit/functional/integration testing, Full-stack Web & Mobile Development

Other: Public Speaking and Debate, Startups, Stock Trading

ACTIVITIES AND INTERESTS

Guitar | Autodidacticism | Brain-Machine Interfaces | Longevity | Rubik's Cubes | Mindfulness | Chess | Anki