CHRISTIAN DRAPPI

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PROFESSIONAL

Software Engineering Consultant   *2019 - now*

· Built *Createur*, an iOS app to help influencers connect with their favorite brands
· Built mobile app for *High Tide Homes*, a startup that builds houses robust to floods
· Developed food bank routing infrastructure for *X Development* (formerly Google X)
· Ran data science & ML experiments for *Brilliant.org*, an online education company

Staff Software Engineer, *Tribe Dynamics*   *2015 - 2018*

· Sped up pipeline to stream content into client accounts from 2 days to under 12 hours
· Built text search tool to apply already-trained ML models without high-overhead libs
· Cut cloud costs by 20% between AWS & Heroku without affecting system performance
· Led small dev team in PRs reviewed & submitted, commits, LOC, deploys in last two years

Assistant Trader, *Susquehanna International Group*   *2014 - 2015*

· Built tools for quantitative analysis of large options trades
· Attended market maker trading class

SIDE HUSTLES

Liquidity provider, cryptocurrency options   *2017 - 2019*

· Manual & automated market-making & -taking, plus some crystal ball trading
· Built volatility surface models, risk management tools & order flow monitors from scratch
· Returned slightly over 1000% in 20 months (denominated in BTC)

Daily Fantasy Sports pro   *2014 - 2017*

· Designed & implemented models to project individual player statistics for NFL, MLB, MMA, & golf
· Top ranked MMA player in 2015-2016; won 6% of tournaments with 2% of the entries
· Provided daily fantasy golf content for *DailyRoto* through brand *DFS Albatross*
· Essentially this is how & why I learned how to code

EDUCATION

Duke University B.S. Math, B.S. Physics   *2010 - 2014*

· Coursework includes 15 graduate classes in math, physics & statistics
· Taught half-credit house course on the mathematics of poker

TECHNOLOGY

· Programming languages: Python, Javascript, Rust
· Frameworks: React, React Native, Svelte, Django, Flask
· Data science: numpy/pandas/sklearn
· DevOps: AWS, GCP, Docker
· Experience building AlphaZero-like algorithms for gin rummy & pot limit omaha