Chad Kalil

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EDUCATION

Duke University   August 2020 – May 2022
Masters in Economics and Computation
Relevant Coursework: Computational Microeconomics (Linear programming and game theory), Probabilistic Machine Learning

New York University   January 2020-July 2020
Bridge to Tandon Certificate with Distinction. (A program for non-CS undergrads who are looking to transition into graduate CS studies, "containing topics in Computer Programming in C++, Object Oriented Design, Discrete Math, Data Structures and Algorithms, Principles of Operating Systems, and Introduction to Computer Networks")

University of North Carolina at Chapel Hill   August 2014 – May 2018
Bachelor of Arts in Economics and Global Studies   3.67 GPA
Minor: Politics, Philosophy, and Economics
Activities: *Club Ultimate Frisbee - Intramural Sports - PPE Discussion Group -Students for Education Reform*

EXPERIENCE

Amazon Web Services – Seattle, Washington
SDE Intern-API Gateway   June 2021-August 2021
- Built a distributed network packet capture CLI tool to facilitate data collection
- Collaborated with team to deploy an analyzer of the collected data, helping smooth out pain points in the manual analysis process.
- Worked with AWS tools and processes.

IHS Markit – Raleigh, NC
Research and Analysis Analyst II (Ipreo Leadership Program)   June 2019-July 2020
- Provided stock surveillance analysis for publicly traded companies, collaborating with C-Suite Professionals on IR efforts
- Stock-watched and provided daily trading updates for clients
- Planned corporate outreach events and used targeting analytics to identify best targets

Data Transformation Analyst I (Ipreo Leadership Program)   June 2018-June 2019
- Researched corporate actions and updated central database in accordance with regulatory information
- QA work done by offshore team of approximately 80 employees
- Directly managed a team of offshore workers, providing market ready research for new products and data integration following merger
- Guided development teams on infrastructure improvements and connection to bring product to market
- Worked with London-based sales team to streamline pitch and clarify offerings
- Facilitated communication between legacy Ipreo team and acquiring IHS Markit teams

City Year Boston – Boston, MA   August 2013 – June 2014
Corps Member
- Graduated from AmeriCorps after serving a total of more than 1700 hours as a mentor and tutor in a 4th grade classroom
- Worked with a 12-person team in a turnaround school in order to provide mentorship to at-risk students
- Tutored a focus list of seven students on their ELA skills leading to improvements on test scores
- Collaborated with team and school partners to plan and host all school and community outreach event

SKILLS

Languages: English, French, Spanish, Arabic
Programming Languages: C/C++, Java, Python, HTML/CSS, R, Stata, Math Prog
Applications: Microsoft Excel, GLPK, ArcGIS, Visual Studio, Salesforce
Operating Systems: Windows, Mac, Linux
Other: CPR Certified, Public Speaking, Agile

PROJECTS

Night Lights and Property Rights: An economic regression analysis of growth under exterior pressure in Nagorno-Karabakh using satellite luminosity data through ArcGIS.

DFS Lineup Optimizer: C++ project using various projection systems and linear programming algorithms to build lineups under restrictions and optimize outcomes.

Season Simulator: Python simulator using Monte Carlo methods to generate probability distributions for various outcomes

MLE Voting with Education: A project exploring creating a voting system to approximate whole population perfect information outcomes with a PAC approximation