**YUYING ZHANG**

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**Education**

**University of Virginia,** Charlottesville, VA *B.A. Computer Science, B.A. Economics (GPA: 3.84/4.0)*, Dec. 2020

*Honors:* Dee Family Global Scholarship, Chinese National Scholarship, DE Shaw Nexus Fellow (60 out of 2000)

*Activities:* Computer Architecture teaching assistant, Commerce Research Assistant

**Technical Skills**

**Database:** Excel VBA, SQL Server, MySQL, Access|**Programming:** Python, R, Java, C++, JavaScript, HTML

**Data Visualization:** PowerBI|**Statistical Analysis:** Hypothesis Testing

**Machine Learning:** Clustering, K-Means, Regressions |**Platform:** AWS, Azure

**Internship Experiences**

**Beacon Consulting Scholarship, Consultant**, Washington DC May 2020 – Aug. 2020

* Selected to be the only one (out of all economic students) in this fellowship collaborated by Beacon and UVA, engaged in the below three consulting cases;

Data Analytics Transformation Implementation for a Sales and Marketing business

* Developed a comprehensive digital innovation strategy to help a startup client to perform revenue operations consulting business using big data and master the ongoing hurdles to optimize service solutions
* Used Python to web scrape all sales software data (i.e. from Quickbook, Facebook, Salesforce) and designed the data visualization to diagnose efficiency problems and generate profits
* Led the digital innovation project to apply such processes in the target company; arranged training session to mentor all employees; developed software package from scratch in 3 months managing 5 engineers

Sustainable Tourism Strategies Development for an Emerging Country (Costa Rica)

* Completed a 20-page business report to implement ESG-related factor into client operating model, i.e green energy in local hotels, recycling plan and Smart Grid to minimize production cost and increase sales

Launch of Racial Equity initiative for Children’s National Hospital

* Proposed 7 policy pillars to address access problem to improve racial equity via physician interview, case study; suggested an initiative impacting 230K patients in DC, VA, MD serving communities

**Hitachi, Cloud Engineer Intern**, Herndon, VA May 2019 – Aug. 2019

* Directly reported to CEO and co-Founder of a $50Mn startup Cloud company; enhanced a legacy compliance requirement within cybersecurity to capture all key risks (i.e record retention, data leakage, customer disclosure)
* Designed, implemented and deployed a chatbot system with natural language and document FAQs capability to answer any sales prospects who has compliance inquiries and questions

**Boston Consulting Group, Project Assistant,** Seoul, Korea & Beijing, China May 2018 – Dec. 2018

* Proposed an electronic mobile money service for Southeast Asia market entry for the largest Korean bank, resulted in $100Mn transaction in Aug 2020 for KB Financial Group to acquire Bukopin Indonesia Bank

**Computing Projects**

[**Track Corona Live**](https://d.docs.live.net/d7795f8d27dd9fd8/Desktop/COMM/trackcorona.live)**, Co-Founder** – A live tracking system of covid-19 case globally <https://www.trackcorona.live/>

* Scraped 50 GB city-level precise data and built backend for sorting news and research article
* Ranked Top Five in Google search engine through consumer-friendly features and new agency communications

[**UVA Women Entrepreneurship**](https://www.facebook.com/uvawe/?__tn__=%2Cd%2CP-R&eid=ARDajGA2uNHxHVP1ZWIcvQNsLPWpmfbySeQyhM812i0pRhv1CT59zTkcjaIRyUxwvIWDiUyU09p-9Lan)**, Co-Founder** – a community connecting next-gen leaders <https://www.uvawe.com/>

* Hosted 14 weekly meetup curriculums and mentored 30 young females UVA students on career development, campus resources, talent sourcing, startup financing and investing

**Computer Vision:** [**Colorize Monotone Image using K-nearest Neighbors Algorithms**](https://drive.google.com/file/d/1qptJf4a2V9AouTJ6NurhU0XVsX6fopQ5/view?usp=sharing) Dec. 2019

* Reached 87% accuracy and 2,000 downloads with user-oriented UI and Pytorch package

**PhD Cloud Computing:** [**Large Scale Human Mobility Data for Safe Evacuation**](https://drive.google.com/file/d/1YXjiNjWxgWW2_LUPrdLUSEgTK7vKxcER/view?usp=sharing) Dec. 2019

* A North Carolina Government sponsored project on evacuation planning during hurricane using 150 GB data
* Led project as the only undergraduate in a PhD class to bring in multidisciplinary perspective

**AskWarren** – A real-time stock price prediction web app Oct. 2018

* Predicted next day closing stock prices using real-time sentimental analysis package in Python
* Measured accuracy of results with regression analysis on historical stock prices