Summary Sheet

**Personal Info:**

Name: Kevin Tsai

School: University of Maryland, College Park

Degree Type: Bachelor of Science

Major: Information Science

Graduation Year: Spring 2022

Phone Number: 301-828-8230

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Relevant classes: Class (Grade)

* MATH240 INTRO LINEAR ALGEBRA (B)
* CMSC131 OBJECT-ORIENTED PROG I (A-)
* CMSC132 OBJECT-ORIENTED PROG II (B)
* INST362 USER-CENTERED DESIGN (A)
* INST311 INFORMATION ORGANIZATION (A-)
* INST314 STATISTICS FOR INFO SCI (B+)
* INST377 DYNAMIC WEB APPLICATIONS (A+)
* INST346 TECH INFRASTRUCTURE ARCH (A)
* BMGT299B APPL CLOUD COMPUTING IS (In progress Passed)
* INST208L LINUX TOOLS (In progress Passed)
* INST366 PRIV SEC ETHICS BIG DATA (In progress B+)
* INST414 DATA SCIENCE TECHNIQUES (In progress A-)
* INST447 DATA SRC & MANIPULATION (In progress A)
* INST462 INTRO DATA VISUALIZATION (In progress A)

**Work experience:**

* Campaign Registry DevOps/Cloud Engineer Intern @ Kaleyra (June 2021 – Oct 2021)
* Campaign Registry Software Engineer Intern @ Kaleyra (June 2020 – June 2021)
* IT Assistant @ UMD Career Center & The President’s Promise (July 2018 – June 2020)

**Leadership and Community Involvement:**

* Taiwanese American Student Association volunteer
* Phi Delta Sigma MGC Chair and AASU Chair
* Landon Varsity Cross Country Team Captain

**Portfolio summary:**

* Data Visualizations & Dashboards
  + There are examples of Dashboards I created in DataDog and Klipfolio. The DataDog metrics were created using the TCR portal API and AWS API. The Klipfolio dashboard metric data was queried from the backend MySQL Database.
* MySQL
  + This was a project creating a backend database for the Web Development project. The files include a pdf of the 3-fold normalization of a table. The SQL queries are examples of queries used in the JavaScript API routes.
* Python
  + “Indeed Webscraping Script” is a python script written in Jupiter notebook that scraped information off the Indeed Job Search Website into a data frame. The data in the data frame was then cleaned for processing and manipulated. Utilized Beautiful Soup and pandas’ libraries.
  + “KNN and Decision Tree” is a project implementing k-nearest neighbor classifier algorithm and Decision Tree Classifier to create a machine learning model in predicting song lyrics similarity based on term frequency–inverse document frequency cosine similarity.
* R-studio (0.5 years)
  + This is class lab conducting Chi-Squared analysis on different kinds of waters and taste.
* Terraform (0.5 years)
  + This a is Terraform template used in production environment where I configured AWS S3, CloudFront, and Route53 for privatizing Static Asset S3 Buckets Access and restricted only CloudFront Access with added Lambda security headers.

**Programming Proficiency: Language (Years)**

* Python (3 years)
* MySQL (2 years)
* R (1 years)
* Terraform (0.5 years)

**References:**

* Name: Tae Yun Jun
  + Title: Lead DevOps Engineer
  + Phone: 703-835-1952
  + Email: [Yuntjs@gmail.com](mailto:Yuntjs@gmail.com)
  + Industry/Company: Telecommunication/The Campaign Registry
  + Relationship: Supervisor for Internship
* Name: Alex Leitch
  + Title: Lecturer and Assistant Faculty Director for the Master of Science in Human-Computer Interaction
  + Phone: 647-892-9321
  + Email: [aleitch1@umd.edu](mailto:aleitch1@umd.edu)
  + Industry/Company: Education/University of Maryland, College Park
  + Relationship: Professor for INST377 DYNAMIC WEB APPLICATIONS

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* I heard about the job on indeed.com
* I was able to speak with Recruiter Ebony Freemount over the phone about the application process.