

END OF THE YEAR (2020-2021)

UW DATA SCIENCE CLUB

Who are we?



**Gautam Agarwal,
Co-President**

Major [Soph]: CS & DS

Why DS: Powerful use of Machine Learning in interdisciplinary research

Hobbies: Piano, PokemonGo



Eliot Kim, Co-President

Major [Soph]: CS, Stats, Math

Why DS: Harness power of data to address climate change

Hobbies: Piano, biking, listening to music



Supraja Battula, Treasurer

Major [Junior]: Statistics and Biology

Why DS: Problem solving and interested in data science in healthcare

Hobbies: Tennis, Community, people watching



Connie Wang, Secretary

Major [Senior]: Biochem & Math, CS minor

Why DS: Interested in data-driven research in life science

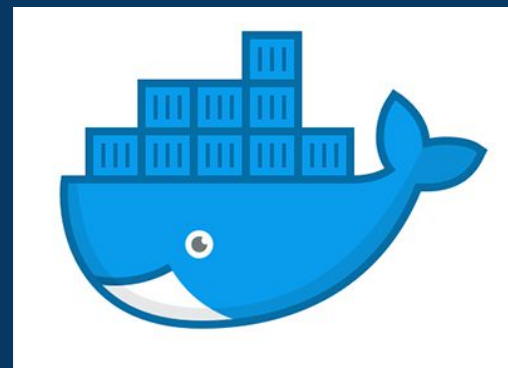
Hobbies: basketball, cello, traveling, cooking

What do we do?

- Explain Data Science as Career
 - Host Interactive workshops
 - Invite Experts from industry and academia
 - Catalyze projects
 - Collaborate with other Organizations in speaker events
 - Facilitate Research Talks
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What skills can you gain?

- Building a machine learning pipeline
- Harnessing GPUs to run complex models
- Managing models and dependencies with Docker



Which industry leaders can you connect with?

- Industry leaders from a wide range of expertise
- Give real world experiences
- Knowledge of inner workings of the professional world



FALL 2020 KICKOFF + NVIDIA INTRO TO DS WORKSHOP

- September 16, 2020
- We gave a brief introduction to the Data Science Club and our new executive board members.
- Kristopher Keipert from NVIDIA gave a workshop on Introduction to Data Science. We went through a small, real dataset on female and male height and weight data on Jupyter Notebook, going through some basic statistics and visualization.
- Link:

<https://drive.google.com/drive/folders/1sSCmZaSrfgsJHzVR00Rge8oa6Y1kOCHt?usp=sharing>

STUDENT MIXER AND EPSILON DATA MANAGEMENT

- October 15, 2020
- We hosted a networking event with UW Undergraduate Statistics Club and UW Economic Student Association
- There was an info session about Epsilon Data Management where a panel of recent hires shared their job experiences and someone from the hiring team gave a recruitment overview.
- Link to the recording: <https://uwmadison.box.com/s/hvu3uwih7bssyj00t98m4lpfmmiqnhlp>



INTERNSHIP/JOB SEARCH STRATEGY W/ SUCCESSWORKS

- October 20, 2020
- We had Amy Yang, a Career & Internship Specialist for Tech/Data/Analytics at Successworks give us a workshop on how to strategically land an internship or full-time job in the data science/data analytics field.
- Link to slides:

https://mcusercontent.com/99b954b4df8967cde81102863/files/86ad40a1-fb7f-4fe5-8840-21081d4afc96/Internships_Jobs_for_Tech_and_Data.pdf



DATA SCIENCE MAJOR INFO SESSION

- October 26, 2020
- Dana Maltby and Sara Rodock, advisors for the Data Science major here at UW-Madison gave a workshop about the Data Science major.
- The workshop included an overview of the data science major, major requirements, and a Q&A.
- Link to the recording:
https://drive.google.com/file/d/1XrCDBh9i7bt2-UeStKcPbqmfZH1_VnpF/view?usp=sharing



A TALK W/ PROFESSOR BRET LARGET

- November 10, 2020
- We had Professor Bret Larget, Professor of Botany and Statistics, share with us his research on reconstructing the evolutionary history of different species from DNA sequences collected.
- Professor Larget also lead an interactive workshop on intro to web scraping using R.

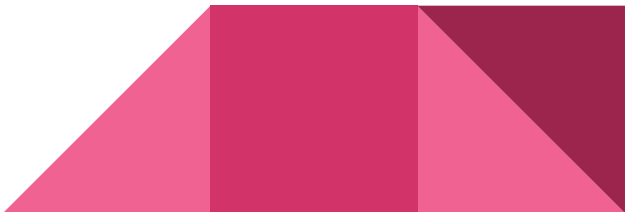


USING UNSTRUCTURED DATA TO IMPROVE INSURANCE APPLICATION EXPERIENCE

- November 17, 2020
- We had Scott Adams and Aamodini Gupta from Northwestern Mutual present “How Northwestern Mutual is Using Unstructured Data to Improve the Insurance Application Experience.”
- Afterwards, someone from the University Relations team presented about Northwestern Mutual Careers/Internships with a Q&A.



SPRING 2021 KICKOFF + DOCKER WORKSHOP W/ DR. TYLER R. CARAZA-HARTER

- February 9, 2021
 - We gave a brief introduction about the club and Dr. Tyler R. Caraza-Harter gave an interactive workshop on Docker.
 - Details about the workshop: :
<https://tyler.caraza-harter.com/workshops/docker-s21/overview.html>
 - Link to recording:
<https://drive.google.com/file/d/1VmYp1yFv0ciNI56R5m2XgPbnExRVPZES/view?usp=sharing>
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FIRESIDE CHAT ABOUT DATA SCIENCE AND ENTREPRENEURSHIP

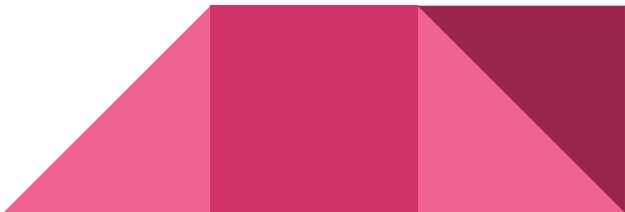
- February 16, 2021
- We collaborated with Transcend UW, a student org at UW-Madison on innovation and entrepreneurship for a conversational-style event with Tobin Jansenberger, one of the leaders of the Data Science and Analytics Lab at AMFAM.
- Tobin Jansenberger has experience building two software companies and gave his unique insights into both data science and entrepreneurship.



DATA SCIENCE -- FROM IDEA TO DEPLOYMENT W/ MIHAIL ERIC

- March 11, 2021
- Mihail Eric, a machine learning scientist at Amazon and co-founder of Confetti AI talked to us about Product Management: Taking an Idea to Deployment.
- Link to slides and video recording:

https://l.messenger.com/l.php?u=https%3A%2F%2Fdrive.google.com%2Fdrive%2Ffolders%2F13_VtLdXIdGCwiM7mNLpGBjwgKCLHh9TM%3Fusp%3Dsharing&h=AT1PipAwxyPerK1i72f_C0606QhVPbqqU00Ec_feMoz4mwJ5rRB5SPOOo0xfvrmPGFJWjVk_S5EsLEHZe-UYQGFsg90ivkgFryzTEA_3cgPCd34t63xPUJJfMsMtAplikqiVpSYONYm_N4M



HEALTHCARE ECONOMICS W/ CHIP RANK

- March 17, 2021
- We joined the Economics Club for a speaker event with Chip Rank, a program director at Northwestern Medicine Organization, who gave us insights on healthcare data and trends, hospital management, and jobs/internships/grad school search skills.



What's next?

- **Summer Projects for Students to gain Hands on Experience**
 - **UW-Madison's first ever Datathon**
 - **Use sponsor data to get meaningful results within 3 months**
 - **Acquire sponsorship from large organizations**
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