

# CAPSTONE PROJECTS

- Why do a capstone project?
- What should I do?
- Examples
- First steps
- Timeline

# WHY DO A CAPSTONE PROJECT?

**~~BECAUSE YOU HAVE TO~~**

**~~BECAUSE YOU HAVE TO~~**

**SO YOU CAN DEMONSTRATE WHAT YOU CAN DO**

# WHAT SHOULD MY PROJECT BE ABOUT?

**WHATEVER YOU WANT.**

## **A GOOD PROJECT CAN:**

- ▶ **SOLVE A REAL WORLD PROBLEM**
- ▶ **BE PRACTICAL**
- ▶ **BE FUN**



## **A GOOD PROJECT CAN:**

- ▶ JUST BE SOMETHING YOU ARE REALLY INTERESTED IN**
- ▶ BE SOMETHING ALIGNED WITH WHAT YOU WANT TO DO NEXT**

# WHAT HAVE PAST STUDENTS DONE?

- **PREDICTING MUSIC GENRE AND ERA FROM ALBUM ART**
- **MUSIC RECOMMENDATION ENGINE BASED ON SPOTIFY RATINGS**
- **PREDICTING DEMAND FOR RENTAL APARTMENTS**
- **CLUSTERING BASKETBALL PLAYERS BY LATENT CHARACTERISTICS**
- **PREDICTING NUTRITIONAL CONTENT OF FOOD FROM ITS PACKAGING**
- **IDENTIFYING FRAUDULENT CREDIT CARD TRANSACTIONS**
- **MAHJONG BOT**

**LET'S START RIGHT NOW**

# **BRAINSTORM. CLOSE YOUR LAPTOP.**

**5 MINUTES: JOT DOWN THREE IDEAS.**

**3 MINUTES: SHARE ONE OF YOUR IDEAS WITH PARTNER**

**3 MINUTES: SWITCH!**

**10 MINUTES: 30 SECOND LIGHTNING PITCHES**

# TIMELINE

**Q&A**