Sotiris Karagounis

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EXPERIENCE

Mobile App Development Intern
IQTaxi, Thessaloniki, Greece
June 2018 - July 2018
Developed 90% of a **React Native** App for iOS and Android that is currently used by a New York City company, Life-Care. It allows for the elderly to track their driver appointments to medical facilities and doctors' appointments.

EXTRACURRICULAR PROJECTS

Yale Hackathon (YHack): Created with a team a Google Chrome extension called **FakeOut** that detects whether the article that is about to be posted by a user on Facebook is fake news. *Acknowledged* for a prize in the Fake News category. **Used libraries:** scikit-learn, Flask, Beautiful Soup

CS 0160 Machine Learning Project: Designed a homework project to introduce students unfamiliar with CS to machine learning. Students write an ID3 algorithm to create a decision tree using support code provided. **Used libraries:** JavaFX

TEACHING & LEADERSHIP

Teaching Assistant, Brown University
2017 - Present

TA for CSCI 0160: Introduction to Algorithms and Data Structures (Approx. 250 students)

TA for CSCI 0150: Introduction to Object-Oriented Programming (Approx. 400 students)

Responsibilities include:

- Grading students' projects and assignments
- Holding regular TA hours
- Holding weekly labs and section
- Improving upon lectures and class materials

Leadership Role, Students for the Exploration and Development of Space (SEDS) Brown Chapter
2017 - Present

Student organization for space enthusiasts. (Approx. 60 members)

Responsibilities include:

- Organizing events and club excursions pertaining to space
- Promoting the chapter around campus

EDUCATION

Brown University, Providence, Rhode Island
2016 - Present

Bachelor of Science Candidate, Major in Computer Science
Expected Graduation Year: 2020, GPA: 3.5

SELECT COURSEWORK

CSCI 0150: Introduction to Object-Oriented Programming and Computer Science
CSCI 0160: Introduction to Algorithms and Data Structures
CSCI 0220: Introduction to Discrete Structures and Probability
CSCI 0330: Introduction to Computer Systems
CSCI 1470: Deep Learning
CSCI 1950Y: Logic for Systems
MATH 0520: Linear Algebra
APMA 1650: Statistical Inference I
APMA 1690: Computational Statistics and Probabilities
APMA 1170: Computational Linear Algebra

SELECT COURSEWORK PROJECTS

Shell: Created a fully-functional shell in C with job-handling, built in command and program execution.

SAT Solver: Implemented the DPLL SAT solver algorithm that checks whether a given boolean formula is satisfiable.

SKILLS

Profecient programming in: Python and Java (2+ years of experience)
Experience with the following libraries and platforms: scikit-learn, Flask, OpenCV, React Native, Android apps

INTERESTS

I am interested in astronomy, astrophysics and data science application to these fields. Other interests include: cooking, LGBT events and science fiction novels.

LANGUAGES: Greek (Fluent)