Ophir Gal

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EDUCATION

- **University of Maryland, College Park, MD** — **Expected May 2021**
  - MSc. in Computer Science
- **University of Maryland, College Park, MD** — **August 2020**
  - BSc. in Computer Science
  - **Honors:** cum laude (GPA 3.9), Dean's List awardee throughout degree

EXPERIENCE

Head Teaching Assistant (Graduate Assistant) — **August 2020 – Present**
Introduction to Machine Learning, University of Maryland
- Created programming problem sets and their tests for auto-grading prior to semester
- Leading weekly discussions, assisting professors in lectures, and supervising other TAs
- Creating and managing content on class website including weekly quizzes

Outcomes Technology Intern — **May 2019 – July 2019**
Neuro-Oncology Branch, National Institutes of Health (NIH)
- Implemented network-based exploratory data analysis algorithm in R to infer pivotal symptoms in cancer patients
- Developed an R-Shiny web application utilizing the algorithm for data exploration & visualization (to be made public)
- Reported progress in weekly group meetings and presented the work in front of NOB researchers and clinicians
- Co-wrote manuscript describing the work and results (first author), to be submitted to *Bioinformatics*

Data Science Intern — **June 2018 – August 2018**
Cancer Data Science Laboratory, National Institutes of Health (NIH)
- Applied machine learning in Python to predict complete remission in AML cancer patients, obtaining an AUC of 0.85
- Employed various classifiers (KNN, SVM, RF) and feature selection methods to analyze patients' gene expression data
- Prepared progress reports and presented the project at the NIH Summer 2018 Poster Day
- Co-wrote research paper describing the work and results (first author), published in *Cancer Informatics*

Teaching Assistant — **August 2018 – May 2019**
Object Oriented Programming I & II, University of Maryland
- Led 2 discussions every week, explaining concepts and addressing questions under time constraint
- Graded quizzes and exams in collaboration with instructors and other TAs
- Held weekly office hours to further explain class topics and help students tackle coding projects

Language Mentor — **August 2018 – December 2018**
Language House Living-Learning Program, University of Maryland
- Planned & led 2 weekly language cluster activities, conveying knowledge of Hebrew and Israeli culture & history
- Organized & facilitated successful language house events
- Attended weekly meetings with house director and other mentors

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript (proficient); R, C, C#, Ruby, OCaml, HTML, CSS, SQL (competent)
- **Tools and Frameworks:** Git, Pandas, Scikit-learn **| Operating Systems:** Windows, Unix
- **Artistic skills:** graphic design, music editing & production (Cubase), web development (personal site: ophirgal.com)

GRAD LEVEL COURSES

- Decision Making in Robotics
- Foundations of Deep Learning

CAMPUS LEADERSHIP

- *President* of IAC Mishelanu Student Organization (national program; paid position) — **January 2018 – May 2018**
- *Founder and President* of Jammin' at Maryland (musical student organization) — **January 2017 – May 2017**
- *Staff member* on Birthright Israel trip (Birthright is an international pro-Israel non-profit) — **January 2018**

MILITARY SERVICE

Boot Camp Commander & Combat Soldier — **November 2013 – November 2016**
Israel Defense Forces
- Led basic training of a platoon of 90 subordinate soldiers
- Administered physical training, rifle marksmanship, and artillery lessons
- Commanded 10 directly subordinate soldiers