

Ophir Gal

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EDUCATION

- **Course of study:** BSc. in Computer Science | **Current GPA:** 3.86 **Expected December 2020**
- **Honors:** CMNS Dean's List awardee (first semester – present); NSCS Honor Society
- **University of Maryland, College Park, MD**

TECHNICAL SKILLS

- **Languages:** Java, Python, C, C#, Ruby, OCaml, Rust, JavaScript, HTML, CSS, XML, SQL
- **Platforms:** Anaconda, Scikit-learn, Pandas | **Operating Systems:** Windows, Unix, Linux
 - OO design & development (Eclipse)
 - Design patterns such as MVC, State
 - Machine learning
 - Basic web development (personal site: ophirgal.com)
 - Basic graphic design (Adobe Photoshop)
 - Intermediate music production (Avid Pro Tools, Steinberg Cubase)

COMPUTER SCIENCE COURSES

- Object-Oriented Programming I
- Object-Oriented Programming II
- Introduction to Computer Systems
- Introduction to Data Visualization
- Introduction to Algorithms
- Organization of Programming Languages
- Introduction to Data Science

EXPERIENCE

Intern

Cancer Data Science Laboratory, National Institute of Health (NIH)

June 2018 – August 2018

- Applied machine learning in Python to build a predictor for complete remission in AML cancer patients, building predictors obtaining an accuracy level of 0.85 (AUC), of potential translational relevance
- Employed various classifiers 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 (first author) describing the work and results, submitted for journal publication

Teaching Assistant

Object Oriented Programming II, University of Maryland

August 2018 – December 2018

- Led 2 discussions every week, explaining concepts and addressing questions under time constraint
- Graded quizzes and exams in collaboration with instructors and other TAs
- Attended weekly office hours to further discuss and clarify projects and class topics

Language Mentor

Language House Living-Learning Program, University of Maryland

August 2018 – December 2018

- 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

Teaching Assistant

Special Topics in Hebrew Studies, University of Maryland

January 2018 – May 2018

- Prepared online lecture videos & quizzes

MILITARY SERVICE

Boot camp commander & combat soldier

November 2013 – November 2016

Israel Defense Forces

- Led basic training of a platoon of 90 soldiers
- Administered physical training, rifle marksmanship, and artillery lessons
- Commanded 10 directly subordinate soldiers

CAMPUS LEADERSHIP

- President of IAC Mishelanu Student Organization (national program; paid position) **January 2018 – May 2018**
 - Planned and led weekly funded cultural activities for Jewish and Israeli students
- Founder and President of Jammin' at Maryland Student Organization **January 2017 – May 2017**
 - Led weekly musical jam sessions and worked to advertise club and recruit members
- Staff member on Birthright Israel trip **January 2018**
 - Co-led the trip and its activities, while being responsible for 40 participants