

## 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, R, C, C#, Ruby, OCaml, Rust, JavaScript, HTML, CSS, 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](http://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
- Data Structures
- Introduction to Algorithms
- Organization of Programming Languages
- Introduction to Data Science

### EXPERIENCE

#### *Intern*

#### **Cancer Data Science Laboratory, National Institutes 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*

#### **Israel Defense Forces**

**November 2013 – November 2016**

- 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