Ophir Gal

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OBJECTIVE

- Software programming internship position, Summer 2019
- Optional part-time position during the academic year

SUMMARY

- Computer Science major, University of Maryland, College Park; **GPA 3.86**
- Teaching Assistant in Object-Oriented Programming Course
- Summer internship at the NIH; Applied machine learning to predict treatment response of AML patients for induction therapy (first author on a submitted research paper)
- Proficient in Java, C, C#, Python, Ruby, Unix/Linux

EDUCATION

- **Course of study:** BSc. in Computer Science, University of Maryland, College Park, MD
- **Current GPA:** 3.86
- **Graduation date:** Dec. 2020
- **Honors:** NSCS Honor Society

TECHNICAL SKILLS

- **Languages:** Java, Python, C, C#, Ruby, OCaml, Rust, JavaScript, HTML, CSS, XML, SQL
- **Operating Systems:** Windows, Unix, Linux
- **Skills:**

  - Object-oriented design & development
  - Design patterns
  - Machine learning
  - Basic web development (personal site: ophirgal.com)
  - Basic graphic design
  - Digital audio production

- **Tools and Platforms:** Eclipse, GitHub, Avid Pro Tools, Steinberg Cubase, Adobe Photoshop

COMPUTER SCIENCE COURSES

- Object-Oriented Programming I
- Object-Oriented Programming II
- Introduction to Computer Systems
- Introduction to Algorithms
- Organization of Programming Languages
- Introduction to Artificial Intelligence

INTERNSHIP

Software engineering internship at the National Institute of Health (NIH), bioinformatics lab, Summer 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 a paper (first author) describing the work and results for journal publication (submitted)

MILITARY SERVICE

Boot camp commander & combat soldier, Israel Defense Forces, Nov 2013 – Nov 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

- Teaching Assistant for Object-Oriented Programming II course (lecturing, grading, office hours)
- Teaching Assistant for an advanced Hebrew course (prepared online lectures)
- Mentor at Language House Living-Learning Program (Hebrew language mentorship, weekly events)
- President of Mishelanu Club (planning and leading weekly funded activities for Jewish/Israeli students)
- Founder and President of Jammin' at Maryland Club (led weekly musical sessions)
- Staff member on Israel Birthright trip (co-led the trip and its activities)