

Ophir Gal

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EDUCATION

University of Maryland, College Park, MD

Expected Dec 2020

Bachelor of Science, Computer Science | Current GPA: 3.86/4.00 | Honors: NSCS Honor Society

PROGRAMMING SKILLS

Java | C# | C | Python | JavaScript | HTML | CSS | Processing | p5.js | SQL | XML | UNIX

PROGRAMMING EXPERIENCE

Intro to Algorithms & Organization of Programming Languages (courses)

UMD, Fall 2018

- Completing weekly course projects in Ruby, OCaml, and Rust
- Completing weekly assignments writing efficient computer algorithms

Software Engineering Summer Internship

National Institute of Health, Summer 2018

- Used machine learning in Python to build a predictor for complete remission in cancer patients
- Employed various classifiers and feature selection methods to analyze gene expression data
- Prepared progress reports and presented personal project at the NIH Summer Poster Day

Intro to Computer Systems (course)

UMD, Spring 2018

- Completed weekly course projects using standard C libraries working in a UNIX environment

Personal Projects

January 2018

- Built a personal website using GitHub pages, Google domains, HTML, JavaScript and CSS

Object-Oriented Programming I & II (courses)

UMD, Spring 2017 & Fall 2017

- Completed weekly course projects using standard Java libraries and data structures while implementing models and views in MVC based applications
- Collaborated with classmates for small-scale group projects with GUI using different design patterns such as a calculator application using MVC and State Design Pattern

Computer Science High School Program

Israel, Fall 2011 - Spring 2013

- Built a website for final project using C#, HTML, CSS, JavaScript, XML, and SQL, allowing for user registration, user log in, admin user-base queries, and admin updates to site content/user status
- Completed weekly coding exercises in C# as part of the 3-year program

MILITARY EXPERIENCE

Boot Camp Commander & Combat Soldier

Israel Defense Forces, Nov 2013 - Nov 2016

- Facilitated and implemented the basic training of 90 draftees which included physical training, rifle marksmanship, artillery lessons, and weapon lessons
- Led and commanded 10 troops through their training which entailed high communication and leadership skills along with military professionalism and self-discipline
- Accomplished daily tasks of border patrol and guard duties

CAMPUS LEADERSHIP

- Teaching assistant for OOP II course (lecturing, grading, and holding office hours) **UMD, Fall 2018**
- Hebrew mentor at Language House Living-Learning Program (leading weekly events) **UMD, Fall 2018**
- Teaching assistant for an advanced Hebrew course (giving lectures in Hebrew) **UMD, Spring 2018**
- President of "Mishelanu" club (planning and leading weekly funded activities) **UMD, Spring 2018**
- Staff member on Birthright trip (co-led the trip and its activities) **Israel, January 2018**
- President of "Jammin' at Maryland" club (founded club and led weekly sessions) **UMD, Spring 2017**

JOB EXPERIENCE

- Store service & sales representative at Nespresso **Tel Aviv, Israel, Jul - Aug 2017**
- Waiter & cashier at Burgerim restaurant chain **Modi'in, Israel, Jan - Mar 2013**
- Store sales representative at Lin's Farm **Modi'in, Israel, Jun - Aug 2012**