

# Seiam Salehi

443.676.0176 | seiamsalehi@gmail.com

## EDUCATION

### UNIVERSITY OF MARYLAND DUAL BS IN COMPUTER SCIENCE AND MATH

May 2018 | College Park, MD  
Cum. GPA: 3.62 / 4.0

## SKILLS

### PROGRAMMING

Over 5000 lines:

Java • Python • Javascript

Familiar:

C/C++ • SQL • OCaml • Perl

Ruby • Prolog

### DB PRODUCTS

Sybase ASE • MSSQL • MongoDB  
SQLAlchemy • pyODBC

### TOOLS/Frameworks:

React • Redux • HTML • CSS

Celery • Python Django

## COURSEWORK

### UNDERGRADUATE

Data Structures

Advanced Algorithms

Machine Learning

Multi-threading

Network Security

Graph Theory

Cryptography

## AWARDS

UMD School of Engineering Scholarship

Fall 2014

UMD President's Scholarship

Fall 2014

National History Day Top 8

Spring 2014

## EXPERIENCE

### GOLDMAN SACHS | SOFTWARE ENGINEER

July 2018 - Present | Jersey City, NJ

- Worked on building database management website that is used across the firm for critical business functions
- Developed modern and adaptive web-pages using React/Material UI frameworks and Redux for managing state
- Built REST APIs in Python Django framework that monitor and manage a diverse array of database products
- Developed end-to-end secure password generation tool that protects against man-in-the-middle attacks using public-key encryption

### UNIVERSITY OF MARYLAND | TEACHING ASSISTANT

August 2017 - May 2018

- Worked as teaching assistant for Senior level Data Structures Course, helped students debug projects

### GOLDMAN SACHS | SOFTWARE ENGINEERING INTERN

May 2017 - Aug 2017 | Jersey City, NJ

- Developed a web-app for unifying the search and retrieval of information across multiple proprietary resources
- Back-end coded in Java, comprised of new API calls that utilized existing APIs to pool information together and plug in to front end
- Front-end coded in React, Redux and Python, utilized Dash-UI components that were reused from another app

### UMD - STAMP STUDENT UNION | IT HELP DESK

August 2015 - May 2017 | College Park, MD

- Worked help desk for Student Activities building, and provided audiovisual services for events in the building

### NORTHROP GRUMMAN | SOFTWARE ENGINEERING INTERN

June 2016 - Aug 2016 | Annapolis Junction, MD

- Worked on a software project that allows service men and women to plan and execute missions in real time
- Developed back-end (Java) for new functionality and performed end-to-end integration and testing

## PROJECTS

### DISTRIBUTED RESOURCE MANAGER Spring 2017

- Simulated a distributed resource manager using Akka Actors in Java. Provided functionality for user actors to request resources from manager actors, allowed users to enable/disable, read/write resources.

### MEESHQUEST Fall 2016

- Implemented a program that simulated MapQuest. Used spatial data structures like Polygonal-Map Quadrees to store cities and their properties, and allowed the user to find distance between cities, nearest city center, etc.

### WORDNET Spring 2015

- Developed a program in Ruby that could take in a thesaurus of words that could show the relationship between words and perform functions like finding most dissimilar word in a set of words.