

# Raami Sharif

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## TECHNICAL SKILLS

<b>Languages:</b>	Java (Expert), Go (Expert), C++ (Expert), Python (Prior Experience), C (Prior Experience), JavaScript (Prior Experience), jQuery (Prior Experience), HTML (Proficient), CSS (Prior Experience)
<b>Databases:</b>	SQL (Proficient), MongoDB (Prior Experience), Firebase (Prior Experience)
<b>Tools:</b>	Git, Perforce, Bootstrap, IntelliJ Idea
<b>Platforms:</b>	Unix, Android, Java EE

## EXPERIENCE

### Google

New York, NY

Senior Software Engineer

May 2024 – Present

- Collaborated with key engineering teams in major product areas, delivering custom-tailored solutions that accelerated their development velocity. This involved deep technical expertise and a commitment to understanding and addressing the unique challenges of each product's ecosystem.
- Served as a subject matter expert (SME) on Google's experimentation and release infrastructure, directly influencing and guiding hundreds of development teams. Authored and established company-wide best practices for safe feature releases in complex, distributed environments, measurably reducing rollback incidents.

Software Engineer III

Nov 2021 – May 2024

- Architected and maintained high-performance runtime libraries critical to the hot path of millions of user requests per second. Focused on creating a developer-friendly API that promoted safety by design, leading to a significant reduction in common coding errors within adopting teams.
- Mentored and coached several junior engineers on the team, fostering their growth in areas of system design, code quality, and effective collaboration.

Software Engineer II

July 2019 – Nov 2021

- Engineered and launched a scalable, asynchronous bulk action framework for enterprise administrators, enabling the seamless migration and management of thousands of classic Google sites to the new Google sites ([sites.google.com](https://sites.google.com)).
- Spearheaded the design and implementation of Google-wide static analysis tools to proactively detect and prevent configuration data skew. This directly mitigated a significant class of production incidents and improved system reliability across numerous product areas.

### Fidessa

Jersey City, NJ

Core Development Intern

June 2018 – August 2018

- Implemented, tested, and wrote documentation on changes made to the Nasdaq Management System (NMS)
- Worked in C++ to manage connections to the exchanges and improve capabilities of the systems connectivity
- Modified Tcl and bash scripts to resolve known issues and extensively tested all changes to ensure long term reliability in a real-time, event-driven system

### Pace University Tutoring Center

New York, NY

Peer Tutor

Sept 2016 - May 2019

- Assist students (approximately 20-25 regulars per semester) in Computer Information Systems and Calculus
- Assist students learning programming in Python and web design with HTML, CSS, and JavaScript
- Developed and maintained the Python answer keys in order to assist the other tutors with their tutoring sessions
- In spare time, made additional online resources and review material for the students, improving the efficiency of tutoring sessions
- Led review sessions in Python and Web Design to reinforce student knowledge in preparation for finals

### Kuwait Insurance Company

Kuwait City, Kuwait

Software Contractor

May 2017 – Aug 2017

- Designed, implemented, and tested all aspects of an Enterprise Risk Management Model (ERM) using Java and JavaFX
- Application serves to assist the risk management department in tracking risk mitigation throughout the company and reduce the time needed to prepare reports
- Used apache PDFBox to generate dynamic PDFs showing a heatmap of risks throughout all departments

- Designed and developed the server, and configured a MongoDB instance for the application
- Managed the connectivity between the front-end and the back-end, designing a system using a model-view-controller design
- Wrote bash scripts and documentation for the company's IT team, in order to ensure long term support and reliability of the product

## Google

Online

CodeU Participant

Mar 2017 - May 2017

- Worked with two peers and a Google engineer to improve upon a chat application
- Conducted code reviews of each other's code and received code reviews from engineer
- Personally, responsible for adding the real-time pushing of messages as well as implementing the analytics using the Google Cloud natural language API
- Assisted in the design and implementation of the user interface using JavaFX

## Metlico Insurance

Cairo, Egypt

Software Contractor

Dec 2015 - Mar 2016

- Designed and Implemented Java GUI application with Swing to improve the security of the product and the efficiency of the sales team
- Used apache PDFBox to generate dynamic PDF files for clients. This further improved the efficiency of the sales team
- Added a self-delete protocol by which the application can delete itself in order to further improve security

## Bayside Historical Society

Bayside, NY

Software Intern

Sept 2014 - Jan 2015

- Redesigned website for the Bayside Historical Society using Bootstrap
- Used Firebase as a backend to provide the organization with an easy way to update their events page
- Led development of an online virtual tour of the facility by taking pictures of the grounds and using JavaScript and an HTML5 canvas to allow users to 'walk' and 'look' around the facility

## PROJECTS

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### LIRR Track Scraper

Jun 2018 – Aug 2018

- Used python and BeautifulSoup to build a web scraper on my Raspberry pi to record the tracks of all LIRR trains leaving Penn station
- Improved my commute by allowing me to beat the rush when the track is announced
- Built maintenance tools, and web access to provide myself with a means to monitor the system as it collected the data for two months

### Popular Movies App

July 2018

- Android app which uses The Movie DB API to get the most popular movies and display them in a Grid Layout
- Display additional information and movie trailers for the dynamically loaded movies in a separate activity

### Applied CS with Android Projects

Dec 2017 – Jan 2018

- Implemented different tree traversing algorithms and explored how each of them compare for solving different types of problems
- Implemented the algorithm for 11 different android apps and completed their development. Served as a good introduction to android development and a reinforcement of my knowledge of algorithms

### Gen Pass (For Pace Mobile App Contest)

Apr 2017

- Created an iOS application which assists the elderly in creating secure passwords that are also easy to remember
- Personally responsible for creating the algorithm by which the passwords are generated, and integration with the GUI

### Online Game and Chat room with Firebase

May 2015 – Jun 2015

- A web application built with HTML and JavaScript which allows users to chat and invite other users to a game of tic tac toe or battleship
- Firebase as a backend allowed for real-time messaging between users

## EDUCATION

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Pace University, Seidenberg School of Computer Science and Information Systems

New York, NY

Bachelor of Science (BS) - *Summa Cum Laude*

Sept 2015 - June 2019

Major: Computer Science

Minors: Biology & Chemistry

Major GPA: 4.0 / 4.0

Overall GPA: 3.91 / 4.0

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#### **CERTIFICATIONS**

Oracle Certified Professional, Java SE8 since June 2016

Oracle Certified Associate, Java SE8 since May 2015