

## Steven Karas

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### OBJECTIVE

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To continue my education in the field of computer science, with a focus on distributed systems, programming language theory, and practical applications of computer science on business processes.

### COMPUTER SKILLS

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*Languages:* x86/ARM Assembly, Bash, C/C++, Java, JavaScript, HTML, L<sup>A</sup>T<sub>E</sub>X, Make, Python, Ruby, SQL.

*Frameworks:* Android, Rails

*Technologies:* JNI, GDB, Numpy, Docker

*Operating Systems:* Linux, MacOS X, Android

### LANGUAGES SPOKEN

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*English:* mother tongue

*Hebrew:* fluent

### EXPERIENCE

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Cogito Systems,  
Algotrading fund  
*Software Engineer*

October 2015-Current

- Maintained a large existing codebase and built new features
- Took responsibility for DevOps
- Monitored production trading system during weekly pager duty
- Interviewed new candidates for software engineering positions

Feedio, <http://www.feedio.co>

March 2014 - Current

Email subscription and analytics platform for authors and content sites

*Co-Founder*

- Built a fully featured email subscription system with heuristic anti-spam and anti-abuse policies
- Built an analytics platform for authors to see the reach of their posts
- Used by 400+ authors for 80k+ subscribers

PSIE (now Apertio), <http://apert.io>

October 2013 - May 2015

Hebrew University, Israel

A search engine of open government data from all levels of government all around the world

*Technical Lead*

- Built distributed, scalable crawler for common catalog systems (CKAN, RSS, data.json, etc)
- Built a search engine on top of the collected metadata of all open data
- Coordinated all technical efforts for the project
- Managed the technical budget for the project
- Assisted transition from academic project to commercial VC funded startup

Mobile R&D team, Trusteer, Tel Aviv, Israel  
Anti-financial malware security systems  
*Software Engineer*

July 2012 - October 2013

- Maintained existing Android and iOS projects, as well as researching and developing new features for those products.
- Led an overhaul of the build system used by the agent teams, shortening build times from 10 minutes on average to 30 seconds on average.
- Spearheaded creating a cross-referencing source code browser for the combined agent libraries and projects, and assisted in setting up continuous integration for the mobile projects.
- Created a new product that required intimate knowledge of low level aspects of Android, and touching on all application component types.

Interdisciplinary Center of Herzliyah, Israel  
Introduction to Computer Science, taught by Prof. Shimon Schocken  
*Teaching Assistant*

Fall 2009-12

- Taught four weekly recitation sections for 110 students
- Wrote weekly exercises, midterm and final exams
- Graded midterm and final exams

*Homework Checker and Supertutor*

- Lead team of 4 graders, assigned and led weekly lab sections
- Graded weekly assignments of 25 students

Israel Defense Forces, Israel  
*Network Administrator and IT Manager*

2005 - 2008

- Provided on and offsite technical support to a large (500+) user base with a small but highly professional team.

## EDUCATION

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*M.Sc.*, Computer Science  
Interdisciplinary Center of Herzliyah, Israel; Ongoing  
Expected completion 2020

*B.A.*, Computer Science  
Interdisciplinary Center of Herzliyah, Israel 2008-2011  
Computer Science specializing in Computer Games and Interactive Media

## CITIZENSHIP

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American, Israeli

## MILITARY SERVICE

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*Sergeant*  
Honorable discharge, Israeli Defense Forces

2005-2008

## PATENTS

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*US20180276304A1*

## CODE SAMPLES

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*Github*: <http://github.com/stevenkaras>  
Additional samples available on request

## RECOMMENDATIONS

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Provided upon request