

# Roy Prigat

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## EDUCATION

### Columbia University

New York, NY

09.2014 - 05.2018

- B.A. in Computer Science; Magna Cum Laude
- Honors Society member; GPA: 3.78/4

#### Relevant coursework:

- UI/UX Design - Computer Networks - Analysis of Algorithms

## WORK EXPERIENCE

### Cadence Design Systems

Petah-Tikva, Israel

06.2017 - 08.2017

#### Software Engineering Intern:

- Built and tested a search algorithm in Java for efficient user navigation
- Designed and implemented web UI components in JavaScript ES6 that utilize REST APIs
- Managed project tasks using scrum methodology for enterprise level software
- Wrote unit tests using JUnit testing framework as part of a TDD workflow
- Conducted code reviews and presented live demos of features to the executive board

### Columbia University, Math Department

New York, NY

09.2016 - 05.2017

#### Teaching Assistant:

- Conducted weekly based tutoring and personal mentoring of Calculus students
- Held review sessions for groups of up to ten students

## PROJECTS

(more at [github.com/royprigat](https://github.com/royprigat))

#### GettAround

*Flask, JavaScript, PostgreSQL*

- A web app for public transit navigation
- Constructed a relational database and algorithms to find shortest/best routes

#### NYConcerts

*Python, sqlite3, matplotlib, numpy, BeautifulSoup*

- Web scraping tool for unstructured data
- Visualization of NY concerts information

#### Craft

*OCaml, C, LLVM*

- Implemented a programming language for building 2D games(source code to executable)
- Team project of four students

#### Tracribe

*React, Electron, Node.js, JavaScript*

- Desktop utility app to record private passwords, usernames etc; information stored locally for security

## TECHNICAL SKILLS

**Languages** Python, JavaScript, Java(prior experience)

**Frameworks** React, Node.js, Flask

**Libraries** JQuery, matplotlib, numpy

**Web** HTML, CSS, Sass

**Tools** IntelliJ, Adobe XD, SQLite

Unix/Linux, Git, PostgreSQL

## MILITARY SERVICE

### Israel Defense Forces

01.2009 - 07.2013

#### Artillery Corps Field Officer:

- Positioned in a strategic panel reporting directly to a brigade commander
- Mentored fellow officers and soldiers during training routines