

# Roy Prigat

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## EDUCATION

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- Columbia University, New York, NY** 09.2014 - present
- B.A. in Computer Science; Dean's list: 2014, 2015, 2016
  - Honors Society member

## WORK EXPERIENCE

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- Cadence, Israel: *Software Engineering Intern*** 06.2017 - 08.2017
- Implemented and tested a search algorithm for improved user navigation
  - Constructed web front-end components that utilize restful API and Ajax requests
  - Managed project tasks using scrum methodology for enterprise grade software
- Columbia University, Math Department: *Teaching Assistant*** 09.2016 - 05.2017
- Conduct weekly based tutoring and personal mentoring of Calculus students
  - Initiate review sessions for groups of up to 10 students

## PROJECTS

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### GettAround

*Flask, Javascript, PostgreSQL*

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

### Craft

*Ocaml, C*

- Implemented a programming language for building 2D games and images
- Team project of four students

### NYConcerts

*Python, sqlite3, matplotlib, numpy, BeautifulSoup*

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

### M.U.S.T - Columbia, Civil Engineering

*SketchUp, Blender, Unity*

- Research on public transportation systems
- Optimize 3D models for efficient rendering

## TECHNICAL SKILLS

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**Languages** Python, Java, Javascript, SQL, Ocaml  
**Frameworks** Node.js, Flask, D3.js  
**Libraries** JQuery, matplotlib, numpy

**Web** HTML, CSS, Sass  
**Tools** Webpack, IntelliJ, VSCode  
**Other** Unix/Linux, Git, PostgreSQL

## MILITARY SERVICE

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- Israel Defense Forces: *Artillery Corps Field Officer*** 06.2010 - 07.2013
- Positioned in a strategic panel reporting directly to a brigade commander
  - Mentored fellow officers and soldiers during training routines
- Israel Air Force: *Aviator Program Cadet, Control Officer*** 01.2009 - 05.2010
- Presented daily reports to a superior operative forum
  - Acted as advisor to commander on mission critical