

# OMER BALDO

## SOFTWARE ENGINEER

✉ omer.s.baldo@gmail.com  
🌐 omerbaldo.com  
☎ (+1) 917-929-4906  
📍 West Orange NJ 07052  
in omerbaldo  
🔗 omerbaldo

## Skills

### NON-TECHNICAL

Arabic  
CPR / First Aid Certification

### USER INTERFACE (VIEW):

HTML/CSS  
FXML/XML

### PROGRAMMING LANGUAGES (CONTROLLER):

Python  
Java  
C  
Scheme  
JavaScript  
Matlab

### DATABASES/BACKENDS (MODEL):

ElasticSearch  
SQL  
Datalog  
XML  
Mongodb

### CODE ACADEMY

JavaScript & JQuery  
ReactJS  
Git

### API'S/SDK'S/Frameworks

Google WebRTC  
G-Streamer  
Java FX  
Django  
Android Studio

### INFRASTRUCTURE

AWS

## Education

Rutgers University New Brunswick  
B.S. Computer Science 2017  
GPA: 3.6

- Rutgers Academic Excellence Award: Given to Rutgers's Class of 2017 top 10%.
- John A. Van Der Poel Scholarship: focused on STEM majors
- Grossman-Alan H. Scholarship: created to help increase diversity in STEM
- Plofker Family Endowed Scholarship: awarded to students in good academic standing

## Employment

Laboratory for Computer Science Research  
Research Assistant

Rutgers University  
Sep 2015 to May 2016

Converted and combined H-264 pixels from a quadruple set of Logitech C920 cameras, located in a classroom, to a video browser so that a group of absent students could still access the course. Responsibilities included:

- Networking : STUN/TURN NAT Traversal, Signaling, RTP Protocol, UDP & TCP
- Video Conversion: G-Streamer, Bitstream Parsing, Muxing, Codecs
- Web Programming: Google's JavaScript WebRTC API
- Presentations: Rutgers's Undergraduate Research Symposium, Rutgers Honors College's SLAM Event
  - Symposium Poster( [goo.gl/eHZwt2](http://goo.gl/eHZwt2) )

ID Tech Camps  
Instructor

Seton Hall University  
May 2016 to Aug 2016

Taught eight high school students weekly on video game programming in Scratch, Python, and Java. Job Functions included:

- Created lesson plans, syntax guides & sample games
- Conducted weekly performance appraisals with parents
- Dealt with human relations and student welfare

## Projects

RU-Notes

Jan 2017 to Current

Done with a team of four implementing Django Web Framework, and Amazon's EBS services. Ongoing app allows students to create, retrieve, upload and delete notes from class. Currently responsible for queries, through elastic search, and extending the Django All-Auth user object.

"Political" Chess

Sep 2016 to Dec 2016

Android App where you play as the Republican or Democrat party to win the election ! (get checkmate)

## Activities

Rutgers Rugby Club · Wing

Sep 2015 to Current

Player & Treasurer for the Rutgers Rugby Club. Was the first treasurer to use Matlab for regression analysis of past spending patterns.

Rutgers Arab Club · Member / Rutgers Day Organizer

Sep 2016 to Current

Helped plan the Arabic Department's table at the Rutgers Day Parade.

- Publicly spoke at least 300 locals about Arabic culture and linguistics.
- Helped set up decorations, food, and music.