

# Reshef Elisha

reshef.elisha@gamil.com  
www.reshefelisha.com  
linkedin.com/in/reshefelisha  
github.com/reshefelisha

## Languages:

- ① English (Fluent)
- ① French (Fluent)
- ① Hebrew (Fluent)

## Skills:

- ① 3D CAD/Digital Design
- ① MATLAB
- ① Python
- ① Java/Android
- ① C/C++
- ① HTML/CSS/JS
- ① Git
- ① Linux

## Academic History:

- ① Computer Organization
- ① Digital Logic
- ① Linear Circuits
- ① Statics and Mechanics
- ① Differential Equations
- ① Programming

## Education:

- > University of Pittsburgh, Pursuing a major in Electrical Engineering, and minors in Mechanical Engineering and Art. (Graduating 2018)

## Work Experience:

Zego Robotics (3D Printing/Robotics) (Summer 2015 Internship)

- > Designed a multi-color 3D printer nozzle
- > Wrote and designed the printer's interface (using serial connection to communicate with printer)
- > Designed a "manual work"-bot simulation

University of Pittsburgh School of Engineering (September 2014 – February 2015)

- > University of Pittsburgh School of Engineering
- > Set up workstations, general application troubleshooting, conference rooms setup and maintenance

## Research Experience:

Material Sciences Research (January 2015 – April 2015)

- > Undergraduate researcher under Dr. Isaac Garcia studying the microstructure of 3D printed stainless steel and its application in nuclear reactor conditions.

## Projects Experience:

Processor design

- > Full MIPS-style architecture and ISA designed and implemented in python.

Multi-color 3D printer nozzle

- > A nozzle for a regrab 3D printer able to mix 5-different types and colors of plastics during print-time.

Clarinet mouthpiece

- > A custom designed and 3D printed clarinet mouthpiece. Designed for a more open, happy tone, great for klezmer.

Android app development in Java

- > Notification-inator
- > XKCD Now Widget

## Activities and Societies:

Events Chair at the University of Pittsburgh's IEEE chapter

- > Organize meetings and special activities

Active member in Hillel and Computer Science Club

## Leadership Positions:

IEEE Events Chair

Organizer and Design & Marketing team director at SteelHacks, Pitt's biggest hackathon.