

# DAVID ROZENBERG

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## PROJECTS:

### **Doggystyle** - Ruby on Rails and Backbone.js

[Git](#) | [Link](#)

*A platform for dog owners to find playmates for their dogs, modeled as a dating site for pets*

- Enables preference-based searching of users, user messaging, and logging of profile visitors
- Uploads user profile pictures to Amazon S3
- Allows log-in with Facebook using OAuth integration

### **Asteroids** - Javascript

[Git](#) | [Link](#)

*Classic game rebuilt for the browser using Javascript Object Oriented Design and HTML Canvas*

### **Trello clone** - Ruby on Rails and Backbone.js

[Git](#)

*Project management app inspired by [Trello](#)*

- Leverages jQuery UI library to implement a drag and drop feature for cards.
  - Creates complex client-side associations by overriding Model#parse method
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## SKILLS:

Ruby on Rails • Backbone.js • Node.js • JavaScript • jQuery • SQL • Git • HTML5 • CSS3 • Solidworks

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## EXPERIENCE:

### **Roboteam Ltd**

**Tel Aviv, Israel**

*Engineering Intern, MTGR (Micro Tactical Ground Robot) Team*

*Oct 2013 – March 2014*

- Assembled, tested, performed troubleshooting on MTGR Manipulator Arms to meet 100-unit delivery for US Army.
- Performed testing and design for new GPS-unit placement improving GPS accuracy by 30%.

### **Department of Defense, Electronic Systems Center, Air Force**

**Hanscom Air Force Base, MA**

*Electronics Engineer, ESC/HNAA Airborne Networking Division*

*July 2009 – July 2014*

- Engineer on TACPod program, an airborne communications suite. Generated Technical Requirements for TACPod follow-on program, evaluated engineering proposals, led contract negotiations saving >\$500K.
- Co-led effort to establish ESC Innovation Challenge, an innovative approach for Air Force acquisition. Secured \$700,000 in funding, coordinated team selection, developed Challenge timeline and deliverables.

### **Air Force Research Lab (AFRL) Commander's Challenge, Air Force**

**Eglin Air Force Base, FL**

*Engineering Lead, Team Eglin AFB*

*April 2010 – Sept 2010*

- Engineering lead on 8-person team that built AFRL competition-winning perimeter surveillance system.
- Developed Python/Google Earth based application for the analysis of ground-radar data.
- Worked with New Mexico National Guard to test radar and software package. Ruggedized system components for support border operations.

### **Boston Scientific Corp.**

**Marlborough, MA**

*Co-op, R&D Endosurgery Department*

*Jun 2008 – Jun 2009*

*Working on the development of the Direct Drive Endoscopic System (DDES)*

- Designed/tested new check-valve configuration using Solidworks and rapid-prototyping SLA.
  - Fixture modeling/design for process validation experiments. DDES prototype for clinical tests.
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## EDUCATION:

**Boston University**, College of Engineering

**Boston, MA, May 2009**

Bachelors of Science in Biomedical Engineering, G.P.A: 3.56, Cum Laude

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## ASSOCIATIONS & AWARDS:

Electronic Systems Center Outstanding Junior Civilian Engineer

2011

Outstanding Achievement Medal – Maj. Gen. Pawlikowski, Commander AFRL

2010

Senior Project – 1<sup>st</sup> Place – designed and built LED-based optical biosensor for disease detection

2009