DAVID ROZENBERG

646.441.7368 daveroze@gmail.com 450 East 63rd St New York, NY Portfolio Github

PROJECTS:

WaggingTails - 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.
- User inbox and conversations created by Backbone.js client-side associations override of Model#parse method.
- Integrates with Paperclip, Oauth, BCrypt, AWS-sdk, Figaro external libraries to allow for secure photo upload, Facebook login, and password hashing.

Asteroids- Javascript and HTML5 Canvas **Git | Link**
Classic game rebuilt for the browser using Javascript Object Oriented Design and HTML Canvas

SKILLS: Ruby on Rails • Backbone.js • Node.js • JavaScript • jQuery • SQL • Git • HTML5 • CSS3 • C++ • Solidworks

EXPERIENCE:

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 to support border operations.

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%.
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EDUCATION:

Boston University, College of Engineering **Boston, MA**
Bachelors of Science in Biomedical Engineering, G.P.A: 3.56, Cum Laude *May 2009*

ASSOCIATIONS & AWARDS:

Electronic Systems Center Outstanding Junior Civilian Engineer *2011*
Outstanding Achievement Medal – Maj. Gen. Pawlikowski, Commander AFRL *2010*
Senior Project – 1st Place – designed and built LED-based optical biosensor for disease detection *2009*