

# Alan Nochenson

anochenson@gmail.com  
alannochenson.com

## Education

**Carnegie Mellon University**  
3.77 GPA (4.0 in-major)

B. S. Information Systems  
Expected Graduation: May 2012

## Work Experience

**Zynga** – Software Development Engineering Intern

Summer 2011

- Responsible for developing new features from end-to-end on a variety of internal tools on the social messaging and communications team.
- Maintained and debugged large-scale applications in a Linux environment.

**Carnegie Mellon U** – Teaching Assistant

Spring 2011

- Assisted students in weekly programming and design lab exercises
- Graded exams and projects

**Rhomania** – Systems Developer

Fall 2010

- Was the sole person in charge of designing and implementing a complex software system from scratch, that led the company to startup accelerator AlphaLab

**Amazon.com** – Software Development Engineering Intern

Summer 2010

- Repurposed an existing algorithm on a large pre-established codebase
- Prototyped and analyzed different strategies for implementing a new feature using various metrics (and implemented said feature)

**Cando Martial Arts** – Martial Arts Instructor

August 2005 – January 2008

- Instructed children and adults of all ages in Tae Kwon Do
- Led and planned birthday parties and week-long camps

## Publications

C. F. Larry Heimann and Alan Nochenson. "Identifying Tipping Points in a Game-Theoretic Model of Network Security." Under review for Proc. IEEE Symposium on Security and Privacy (2012).

## Projects

**UPitt, School of Public Health** – Project Manager

Fall 2011

- Organized a team that is developed a cross-platform mobile application to assist health professionals, giving them access to information in a convenient and useful way

**"tvTrackr"** – Lead Engineer

Spring 2011

- For a junior project class, developed a web application to manage television shows and keep track of upcoming episodes, on a five person team

**Word Well** – Developer

January 2010

- Participated in a Game Jam Competition sponsored by Rosetta Stone to build an educational game in 36 hours. Awarded third place.

**deweymusic.org** – Developer

Fall 2009

- Created and implemented a Data Access Layer and Database population scripts from remote data files for a site to access a wide array of online music from Archive.org

## Skills

### Languages/frameworks

C, CSS, HTML, Java, Javascript/JQuery, Perl, Regex, Ruby/Rails, PHP/CodeIgniter

### Version Control

Git, SVN, Perforce

### Storage technologies

JSON, MySQL, Relational databases, XML

### Misc.

Apache, Jenkins, JIRA, Linux, Object Oriented Design, Project Management

## Honors

- Second Degree *Black Belt* in Tae Kwon Do
- Order of Omega Greek Honors Society
- CMU Dean's List with High Honors

## Activities

- "Treblemakers" – President (2010-2011) and Founder
- Kappa Sigma Fraternity – Pledge Educator, Interfraternity Council Representative, Assistant Grand Master of Ceremonies, Philanthropy Chair
- Online Gaming Society – Inventory Manager