ETHAN NETLAND

EDUCATION

Northeastern University   2008 - 2013
Bachelor of Science in Computer Science and Business Administration, *magna cum laude*

Coursework	Software Development, Web Development, Database Design, Object Oriented Design, Fundamentals of Computer Science
Clubs	Assosciation for Computing Machinery, Honors Mentor, Entrepreneurs Club, Upsilon Pi Epsion, Finance and Investment Club
Honors	Northeastern Merit Scholarship, Dean's Scholarship

WORK EXPERIENCE

TapWalk   July - December 2012
Lead Rails Developer
Ruby, Rails, Rspec, AWS, Heroku, Git

- Responsible for entire Rails stack for client-facing admin site: feature development and maintenance, testing using RSpec, and deployment to Heroku.
- Managed front-end as well; using Javascript, HTML, and CSS to improve tagging, icon hierarchies, file uploads, list ordering, and other elements of the User Experience.
- Upgraded the user authentication and authorization system using Devise and CanCan to improve security and introduce tiered client pricing.

Goldman Sachs Agency Lending   July - December 2011
Software Development Co-op
Java, Perl, SQL, Shell Scripting, Visual Basic, SVN

- Worked on a small team developing internal software for Agency Lending business units.
- Automated internal processes using Perl and shell scripts and developed features for the internal Java/Swing application.
- Headed project with Operations team to architect, implement, and launch new internal application to automate the security returns process, saving them hours of work per day.

Charles River Development   July - December 2010
Software Development Co-op
Java, C#, SQL, JUnit

- As part of the Securities and Accounts team, I was responsible for implementing and testing a wide variety of investment vehicles for the trading software.
- Wrote unit tests for security validations in JUnit, business logic in Java, and GUI upgrades for security management in C#

PROJECTS

MerchPerch
3rd Place, StubHub Boston Hackathon, May 2013
Built along with six friends, MerchPerch is a merchandise sales platform where customers can browse merchandise before or during a concert, pay with Stripe, and redeem their order using their smartphone. Written in Rails, using Zvents, Stripe, Facebook & Twitter API's.

SPIMS
Semester Project Image Matching Software
SPIMS was our semester project for Software Development, used for finding subimages within a given set of source images. Uses Fourier transforms and normaized cross-correlation to match iamges. Written in Python, using SciPy & Numpy.

LANGUAGES

- Ruby
- Javascript
- Python
- Java
- HTML
- CSS
- C#
- Perl

SOFTWARE/SERVICES/FRAMEWORKS

- Ruby on Rails
- RSpec
- Git
- Heroku
- AWS (S3/EC2)
- Subversion
- Eclipse
- Visual Studio

INTERESTS

- Music
- Film
- Premier League Football
- Music Production & Theory
- Cooking
- Generative Art & Design