

Joshua Wilson

Phone: (314) 363-5669 | Email: jwils@seas.upenn.edu

EDUCATION

University Of Pennsylvania, Philadelphia, PA

Fall 2009 – Present

B.S.E. Computer Science, Major GPA: 3.35

Expected Graduation: Spring 2013

Relevant Courses:

Core:

Programming Languages (Y)
Computer Architecture (Y)
Theory of Computation (Y)
Operating Systems
Intro to Algorithms
Engineering Probability

Marketing:

Applied Probability
Models

Math:

Multivariable Calculus
Vector Calculus
Game Theory

Cloud Computing:

Distributed Systems
Scalable Computing

Physics:

Honors Physics (Y)
Modern Physics
Physics Circuits Lab

Other:

Randomized Algorithms
Networked Systems
Artificial Intelligence
Computer Graphics (Y)
Intelligent Game Agents
Machine Learning

EMPLOYMENT

University of Pennsylvania

Fall 2009 – Present

Teaching Assistant for iPhone App Development

Fall 2012

Research Assistant for Wharton Customer Analytics Initiative

Spring 2011 – Present

- Prepare data for customer analysis

Google Inc.

Summer 2012

Software Engineering Intern

- Build an internal API to serve business analytics data to Google Places for Business.
- Participated in an internal hackathon.

Free People (URBN clothing brand)

Summer 2011

Customer Analytics Intern

- Built a system to store and analyze web logs on AWS using S3 and Hive.
- Designed a prototype iPhone loyalty app.
- SQL queries to analyze customer purchasing trends.

GameUp, Inc (www.gameup.tv)

Mobile Developer

July 2011–Oct. 2011

- Designed an iPhone app for social networking during sporting events.
- Currently on the app store (<http://git.to/gameupapp>).

Ecogrease Lightning

President and Co-founder

Fall 2010 – Fall 2011

- 501(c)3 non-profit organization designed to promote environmental awareness.
- Raised \$7,500 dollars to purchase and convert a bus to run on SVO (Straight Vegetable Oil).
- Team drove around the country volunteering at local environmental organizations.

PERSONAL PROJECTS

P2PSearch (2012): <http://git.to/p2psearcheng>

- An open source distributed search engine built in java over FreePastry.
- Crawler, PageRank (Hadoop), Parser (NLTK), Distributed Storage (BerkeleyDB, Pastry).

Ambiance (2011):

- Awarded Second place of 30 teams and \$1000 cash prize in PennApps Mobile Hackathon 2011.
- Written natively for the iPhone, Droid, and Windows Phone 7.
- Allowed users to upload pictures, audio files, or text and tie it to a Foursquare Location.

Maplus (2010):

- Third Place and Sponsored prize totaling \$1000 cash in the PennApps Hackathon 2010.
- Web and iPhone app allowing users to see if friends are attending an event and buy a ticket.
- Backend runs an adsorption algorithm in Hadoop to recommend new bands for users.

Comma,Dot. (2010): <http://bit.ly/bjEaeX>

- Won first place in the Tecathon competition.