

## Education

**Columbia University**, New York, 2008 - 2012  
B.S. in Computer Science, minor in Economics  
GPA: 3.9/4.0 Major GPA: 4.0/4.0  
Dean's List, New Hope Foundation Scholar

*Relevant Courses:* Programming Languages and Translators, Cryptography, UI Design, Data Structures and Algorithm, Advanced Programming, Discrete Math, Probability and Statistics, Artificial Intelligence

## Technical Skills

Javascript: *CoffeeScript, jQuery, Prototype, QUnit, underscore, node.js, faye*

Ruby: *Rails, Sinatra, rspec*

Python: *Django, web.py*

Java: *Spring, Hibernate, Jetty*

Other: *Perl, Scala, PHP, Lua, C/C++, Lisp*

Database: *MySQL, sqlite, MongoDB*

Distributed: *Hadoop, Pig, Hive*

Markup: *HTML5, CSS3 (LESS)*

Design: *Photoshop, InDesign, Flash Builder*

## Projects

*\_var.js*

Seamless data binding of Javascript variables to DOM elements; also supports binding to remote data sources. Developed to mimic data binding behavior in ActionScript.

*DormTrooper.net*

A dorm room review aggregator for Columbia campus. Used Google Map API for geo-related features.  
Written in PHP following an MVC pattern.

*SlideView, Undergraduate Research Project*

A remote slideshow-sharing implementation written in Java, using a VGA-to-USB to capture raw video signals and a Comet server to broadcast to Javascript browser clients.

*Tetraware*

A multiplayer Tetris game with power-up items, written as a high school project. Similar to Omgpop's *Blockle*, which appeared later.

## Experience

**Twitter**, San Francisco, Summer 2011

*Software Engineer Intern, Frontend, Revenue*

Added feature allowing advertisers to tweet directly from campaign UI using Twitter API.

Built prototype Tweet Activity Dashboard available to advertisers, using Javascript following an MVC approach.

**Bundle.com**, New York, 11/2010 – 5/2011

*Data Analysis Intern*

Migrated tools for analyzing anonymized credit card transactions to Hadoop and Pig. Implemented tools in Perl for discovering consumer trends and loyalty scores to generate merchant recommendations.

**BlackRock**, New York, Summer 2010

*Technology Summer Analyst*

Revised data model of trade validation rules. Built an object-relational CSV parser.

**RuggedCom**, Toronto, Summer 2009

*Software Developer Intern*

Wrote automation scripts for testing routers and switches as part of the QA process.

**United Nations**, January 2009

*Interpreter for a calligraphy exhibit*

## Academic Experience

Teaching Assistant, Columbia University

*Introduction to Computer Science and Programming in Java*

Responsibilities include grading homework assignments and exams, and holding tutorials.

Tutor

Taught programming in Java and Perl, with basic data structure concepts.

All information contained on this résumé is also available online at [yufeiliu.com](http://yufeiliu.com). Follow me @yufeiliu

