

# FEI DENG

*Address:* 438 W Grand Ave, Apt #706, Oakland, CA, 94612

*Mobile:* 847-624-6306      *Email:* feideng001@gmail.com

*LinkedIn:* [www.linkedin.com/in/feideng1/](http://www.linkedin.com/in/feideng1/)      *GitHub:* <https://github.com/fdeng001>

---

<b>EDUCATION</b>	<b>Northwestern University, Evanston, IL Computer Science</b>	Dec 2013
	• Master of Science	GPA: 3.67/4.0
	<b>Florida International University, Miami, FL, Electrical Engineering</b>	April 2012
	• Bachelor of Science;	GPA: 3.64/4.0
	• Dean's List,	Aug 2010-May 2011
	• Florida International University Academic Achievement Scholarship,	

## QUALIFICATION

- Over 3 plus years of extensive working experience in Software Development with proficiency in development of applications using **Java, C++ and python** Technologies.
- Advanced analysis of **Linux, Operating System, algorithms and data structure**.
- Excellent skills in web technologies including **JavaScript, jQuery, HTML, CSS and .NET**.
- 2+ years **web develop/application and back-end** development experience
- Excellent problem solving skills, strong team player and self-motivated in a quickly changing environment

## WORKING

**EXPERIENCE** **Beadvising** (<http://beadvising.com>) Jun 2014 – Present

### Co-founder/Web Developer

A P2P Education Service platform which provide Chinese student who want to apply other countries school evaluate and choose the advisor. Those advisor can help students' application and paper works.

- Create a validation rule to validate data in a field, and saving to server library in **Python with Nosql**.
- Analyze source code and Design UI and the custom search algorithms to help user show their search result in **Python**.
- Involved in business requirements gathering and **Analysis, Design, Development, Integration** and Testing of application modules
- Used different **design patterns** to implement the application which includes Data Access Object, Business
- Used Eclipse as the Integrated development Environment for developing and debugging the **Java applications**
- Used different user interface technologies **JQuery, HTML, CSS, JavaScript** for developing the application
- Used AJAX, DOJO libraries for developing the Rich Internet Application and widgets
- Designed and developed the Cascaded Style Sheets (CSS) for designing the application layouts
- Used Web Service component to access the data from another application e-Audit Net which is running on
- The **Linux** OS server
- Extensively used core java concepts such as OOP, Collections and exception handling
- Developed the Servlets for generating the grids for displaying the customer data

### Western Union

Mar 2014 – Aug 2014

### Front End Interactive Developer

- Development of Front End Western Union web and mobile application in **JavaScript, CSS 3.0 and HTML 5.0**.
- Analyze the source code and determining technical feasibility of implementing them.
- UI/UX development to create a seamless customer experience through desktop, mobile and Smartphone app interfaces.
- Participating in the design review with the development team.

- Coordinating with the Integration test teams in planning and executing the end to end QA and product testing.
- Involved in form filed validation using **JavaScript**.
- Coded the Servlets as a controller in the MVC architecture.
- Involved in designing User-Interface using Struts for Back Office Management.
- Involved in fixing up of bugs raised and resolving issues regarding Back Office
- Involved in the bug tracking.
- Involved in Unit Testing of the code.
- Implemented the project using IDE Eclipse
- Used CVS version control for source code.
- Management Module, raised by the Testing Team and Onsite Team

## PROJECT

**EXPERIENCE Bipedal robot walking in C++, Northwestern University** Mar 2013 – Now

- Developed Evolution Algorithms to generate neural network weights.
- Responsible for analysis and design of the application in **C++** based on **Linux, MVC** Architecture, using open source framework.
- Designed classes, created class diagrams, sequence diagrams.
- Involved in code development and Integrating Controller with **C++ utility** for schedule driven robot testing.
- Involve **simulating** robot walking behavior
- System test and testing successful controllers on hardware in different environment.

**Flying 2D game in C#, Northwestern University** Mar 2013 – Jun 2013

- Program and UI design.
- Worked with tech artists in establishing project parameters.
- Developed lighting scheme that established mood according to project design document.
- Develop the Game story, created floor plans, enemy cognitive system and level environment.

**Unmanned Air Vehicles ( Miami Sky-I )** Aug 2011 – Apr 2012

- Video target Recognition, Shape and letter detection and recognition using **Java**.
- Involved in writing different **Java** Classes for handling different transaction events like benefits, adding/deleting dependent/family status change events and payroll processing.
- Wrote stored procedure and used **JAVA APIs** to call these procedures.
- Developed algorithms for template matching, neural network, mutual information, and line & corner detection.

**Hand Writing Digital Numerical Recognition in Java, Tianjin, China** Oct 2009 – Feb2010

- Developed two recognition methods using template matching and Neural Network in Java.
- Participated in Data collection, feature extraction for over 1200 images.

**COMPUTER** Algorithms and Data Structure, Web development, Image/Video processing, Game development

**SKILLS:** Java, C++, C#, JavaScript, HTML, CSS and .NET, Ruby, MATLAB, Python