# Fnu Masnaga

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## EDUCATION

**DePaul University, Chicago, IL**                                                           **August 2014 - present**
Candidate for Master of Science in Computer Science, 2018                                          GPA 3.5/4.00
**Graduate Coursework:**

- Database Technologies
- Object-Oriented Software Development
- Distributed System
- Agile Software Development
- Service-Oriented Architecture
- Advance Scripting Technologies

**Illinois Institute of Technology, Chicago, IL**                                                          **July 2012**
Bachelor of Science in Civil Engineering                                                            GPA 3.6/4.00

## SKILLS

**Programming Languages:** C#, PL/SQL, Java, Python, JavaScript

**Technologies:** Restful, ASP.NET MVC5, Web Service, JSON, HTML5, CSS3, Bootstrap, JavaScript, JQuery, Servlet, JSP, JDBC, EJB

**Development Tools:** Visual Studio, Git, Eclipse, Oracle/SQL, Jenkins, MySQL, Android Studio

**Others:** Agile Development, Scrum, Object Oriented Design, Disturbed system design, Blockchain Technology, public key cryptographic techniques

## Academic Projects

**Online tutoring Center by ASP.NET MVC & C#        (Advanced Scripting Technologies)        January-March 2016**

- Developed an Azure hosted online tutoring center platform with ASP.NET MVC, Web API, and Identity.
- Designed RESTful Services with ASP.NET WebAPI for CRUD operations.
- Created user registration, login, authorization, and authentication using ASP.NET Identity.
- Integrated Credit Card web services for online transaction.

**Clean Sweep Robotic Vacuum Cleaner by Java & Agile        (Agile Software Development)        August-December 2016**

- Designed and developed a control system of virtual robotic vacuum cleaner to navigate and clean any room layout.
- Implemented the control system through Scrum process including sprint planning, daily scrum and sprint review and retrospective
- Integrated the project and added automatic builds using Git, Maven, Unit testing and hosted the project in Jenkins.

**Online Dating Service by Java & J2EE        (Object-Oriented Enterprise Computing)        August-December 2015**

- Developed web application using Java, J2EE, JSP and Servlet.
- Extensively utilized Hibernate in data access layer to access and update user information from MySQL database.
- Designed search bar using JavaScript and Servlet to search connections or potential dates.

## PROFESSIONAL EXPERIENCES

**Diamond Coring Company, Chicago, IL**                                                           **April 2016 - Present**
**Project Manager/ Estimator**

- Plan, schedule, and coordinate heavy highway project activities to meet deadlines with total contracts up to one million dollars.
- Utilizing computerized estimating software such as, HCSS HeavyBid to develop estimates from various types of bid documents.

**Omega Demolition, Elgin, IL**                                                           **September 2012 – April 2016**
**Civil Engineer**

- Responsible for cost estimating of IDOT, CDOT, and MassDOT projects with total contracts in excess of $20 million.
- Perform precise material take-offs and engineering calculations to quantify structural weights using computerized system.