

Ming Chen

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OBJECTIVE: To obtain an opportunity as a Software Engineer where I can enrich my technological experience and skills in web & software development, create innovation and provide better decisions for powerful systems.

EDUCATION

Illinois Institute of Technology, Chicago, IL	Expected Graduation: Dec. 2015
B.S. in Electrical Engineering & Computer Engineering	Dean's Honor List, GPA: 3.86/4.0
• Courses: Operating Systems, Artificial Intelligence, Algorithms, Database Organization, Data Structure, Microcomputers, Image Processing, VLSI Design, System Programing, Power Electronics, Control Systems	

PROFESSIONAL HISTORY

Goldman Sachs, Jersey City, NJ	Technology Summer Analyst	May.2015-Aug. 2015
• Developed a mock order entry system to interact with a compliance surveillance application.		
• Used AngularJS, Node.js and Jasmine for front-end and RESTful web services as middle layer.		
• Reduced data entry time and enhanced workflow by implementing intelligent form auto-filling and data collection.		
• Provided the ability to perform complex and realistic tests to meet functional and regression testing needs.		

ECE Department, Illinois Institute of Technology, Chicago, IL	Research Assistant	May 2014-Dec. 2014
• Managed a team of five to implement wind turbine models into source code, extended model library of high performance power system simulator using C, PETSc Toolkit, Linux Server, Emacs, and Git.		
• Identified and solved 50 missing or hidden parts in the standard model from PSS®E documentation; successfully established Simulink models to match the PSS®E simulation by 0.5% comparison offset using MATLAB.		
• Translated differential equations from Laplace to State-Space, reaching the required 10e-13 V/A comparison criteria.		

PROJECT EXPERIENCE

Microsoft Kinect Software Development (IEEE)	Oct. 2014-May 2015
• Developed an object modeling software for educational use, allowing instructors, through hand gesture, to create, rotate, and scale basic 2D/3D geometric objects using C#, Visual Studio, Microsoft Kinect.	

Database Design and Applications	Mar. 2015-Apr. 2015
• Designed a database for a restaurant review forum and a laptop marketplace in at least 3NF and put in E/R diagram.	
• Built a web application to meet the required business logic: login/signup, comment, ranking, posting, authorization and transaction by applying php, HTML, CSS, JavaScript, MySQL.	

Buying Risky Product with Intelligent Agent	Oct. 2014-Dec. 2014
• Created an agent that can learn from the past experience to improve its buying strategy; Python, Machine Learning.	
• Competed against other agents in the virtual market to obtain the maximum profit.	

SKILLS

Software: Unreal Engine 4, Unity 5, Eclipse, IntelliJ, WebStorm, Visual Studio, Xcode, MATLAB, 3ds max
Languages: C/C++, Java, C#, JavaScript, jQuery, AngularJS, NodeJS, PHP, SQL, Python, Swift, Closure, Assembly

ACTIVITIES & AWARDS

IEEE-IIT Chapter	Project Chair	Apr.2014-Apr. 2015
• Organized and managed projects; conducted meeting for project leaders; created new projects.		

Illinois Tech Robotics (ITR)	Sep.2013-Jan.2015
• Demolition Round Winner in Jerry Sanders Design Competition	Mar. 2014