

Jianmin Chen

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Linkedin public profile: <http://www.linkedin.com/in/jianminchen>

Coding Blogs: <http://juliachencoding.blogspot.ca/>

Code review: <http://codereview.stackexchange.com/users/123986/jianmin-chen?tab=profile>

https://github.com/jianminchen/Leetcode_Julia/tree/master/Leetcode%20discussion

HackerRank:

https://www.hackerrank.com/jianminchen_fl

<https://github.com/jianminchen/Hackerrank-Julia>

Google Scholar: <https://scholar.google.com/citations?hl=en&user=RKTRNtwAAAAJ>

Work Experience

June 15 2010 – now

Software programmer, mplighting.com,

Full time software programmer, last few years a full stack programmer and only programmer for <https://www.mplighting.com>.

Using html, CSS, Java script, JQuery, C#, Windows Forms, ASP.NET, Tran-SQL, VB script, SQL server, Microsoft dynamics, Microsoft IIS. SQL Server DBA, IIS 7.0 administration, Windows desktop apps development, business analysis for MP sales, inventory, accounting, design and develop <https://www.mplighting.com>. Agile development using Microsoft office Excel, pivot/ power pivot add-in, Visual Basic, SQL scripts.

Starting from Dec. 2015, conduct a lot of code training/ research/ independent study on CSS, html, JavaScript, JQuery, bootstrap, Restful API, Angular JS, Entity framework, LINQ, .NET distributed system architecture etc. Hundreds hours course study on code school, pluralsight, frontend masters from 2015 to 2017. Modern web, modern architecture, microservices study in 2018.

Work on MP Lighting website daily on front end and back end, walk through daily to inspect things to improve, such as user experience design issues. Work with marketing and design team, adding new products and continuing to improve features on the website to support product search and other customer service information; Continue to work on windows form applications to support sales managers and production.

Last 12 months, I worked on a lot of small tasks to provide better customer service as a company, such as adding an automated shipping email notification with customer service team, added a secure login for accounting department to process credit card payment, added encryption to secure communication.

Here are highlights:

1. Built a web page to automate power supply matching for given LED product in 2010;
2. Spent time to learn Microsoft Excel, powerpivot, Microsoft power BI, SQL server administration in 2011;
3. Set up ecommerce website using DNN open source in 2012;
4. Wrote a back end server using C#, ASP.NET, JQuery based on the design from a web designer in 2013;
5. Handled SQL injection attack and solved issue in 2 days in January 2015; Start to learn to apply security PH.D. research at work as well;
6. In Nov. 2016, I started to learn to ask algorithms for code review on stackexchange.com, and then I quickly gained the skills how to improve code quality and applied to work;
7. Won first gold medal on Hackerrank weekly contest in July 2017; With the experience to advance top 4% from over 10,000 players in weekly contest; I have confidence to write more code, I started to rewrite code more often at work, and quickly put on website with less worry;
8. Database and web server IIS upgrade in 2017;
9. Conducted research of cost estimation to move everything to AWS cloud, helped management team to compare the cost using Keentech.com and maintain MP Lighting own server room with all kinds of servers in 2017;
10. Handled the ransom attack at work in 2017, and advice the owner to move MP software source control to cloud using github.com;
11. Took over the task to handle the accounting team credit card payment web page security issue in August 2018 from Keentech.com since fake transaction attacks; Won trust from the owner as me and Keentech.com as IT team together;

12. Solved customer service automated shipping email notification in August 2018. Jenny worked as customer service more than six years; I should have served her better as a software programmer. She was under a lot of stress, hundreds of email to work on daily, and mistake on big order entry etc.

August 2009 – Dec 2011

Ph.D. dissertation research,

Florida, USA, advised by professor Hangqi, Zhuang, Mihaela Cardei, Lianfen Qian

Registered as a part time computer science Ph.D. student (1credit/term) to stay in the PH.D. program. Continued to study in computer network anonymity protocols design.

May 2008 – August 2009

Part time research assistant supported by National Science Foundation

Advised by full professor Jie Wu, the distinguished professor, Fellow of IEEE

Conducted academic research on wireless ad hoc network security, privacy protocols. Wrote a book chapter and a conference paper on network anonymity area.

Nov. 2006 – October 2007

Software engineer

Par technologies, Par tech inc, Par Siva technology Inc, Nov 2006

Siva technology Inc, Sept-Nov 2006

Part time FAU intern, Siva technology Inc, Delray Beach, Florida, June 2006 - Aug 2006

Worked as a software developer, using Java J2SE, Eclipse, Tomcat, SQL express, MySQL, Junit, Ant, XML, worked on several projects through the Enterprise restaurant software.

Worked on enterprise product maintenance, such as Siva cache issue, Siva database replication issue.

Sept. 2000 – Sept. 2001

Trendium Inc

Software engineer worked on software product prototype, using C++, object-oriented programming, discussion of architecture of server of product.

Dec. 1998 – Aug. 2000

Atlantic Entertainment, Online Gaming System

Web programmer, mainly using Asp. SQL server, and web product back office development, business logic mainly focusing on stored procedures. I wrote all business logic using stored procedure for web sports gaming software, and worked with engineers focusing on front end and engine of product using COM server.

Oct. 1997 – Dec. 1998

Daleen Inc

Worked as an intern, and help to develop C++ product, mainly work on server backend prototype.

Education

05/2008 – Dec. 2011

Continued to work on computer science Ph.D. dissertation. Wrote a book chapter: "Survey of cryptography applied in MANETs and WSNs". Did research on database privacy and cryptography with support from National Science Foundation.

8/2002 – 5/2006

Ph.D. study in computer science and engineering, Florida Atlantic University, Boca Raton, Florida

Ph.D. candidate, passed qualification exam, finished all the credits required for the degree.

Graduate courses taken: introduction to cryptography (A), distributed system design, internet routing protocol, ad-hoc networks, distributed object-oriented system, computer data security, analysis of algorithm, multimedia systems, web project development, distributed algorithms, advanced statistics in biology (A), [Education leadership](#).

8/1997 – 12/1998

Master of computer science, Florida Atlantic University, Boca Raton, Florida

8/1996 – 8/1997

Mathematics PhD student, Florida Atlantic University, Boca Raton, Florida

Graduate mathematics courses: Real Analysis I, II (A), Set theory (B), Abstract Algebra I, II (B+, A), Combinatorics (A)

9/1989 – 3/1992

Master of Engineering in Power mechanical engineering
Shanghai Jiaotong University, Shanghai, China

9/1984 – 7/1988

Bachelor degree in Applied Mathematics, Shanghai Jiaotong University, China

Graduate with honor in mathematics department, SJTU (10 of 25 students, SJTU math master graduate admission without admission test, 5 mathematics courses A in the third year Spring term.)

Miscellaneous

March, 2015 – now

Coding blog is such great tool to reach out the community and help myself manage past practice. Starting from Nov. 2018, I also started personal finance research. It is hard to manage so many practice and thousands of hours over 4 years algorithm practice. I also get connected [a few other bloggers and coders](#). Total page views 363,759 (6/13/2019 10:51 AM).

<http://juliachencoding.blogspot.ca/>

February 2016 – Oct 2018

Eight bronze medals on hackerrank contest, two silver medals, 1 gold medal

HackerRank: https://www.hackerrank.com/jianminchen_fl

Github: <https://github.com/jianminchen/Hackerrank-Julia>

Detail see the blog of hackerrank contest experience, link is [here](#). And the richness of learning experience for each contest is documented [here](#).

Nov. 2016 – June 19, 2018

Top 11% overall, reputation 1,109, all time rank #466, code review stackexchange.com. Detail link is [here](#).

March 2017 - June 2018

Pramp.com - over 300 mock interview experience. Detail is documented [here](#). And the github link is here with source code.

January 2018 - May 2019

interviewing.io - mock interviewer, 150 total interviews as an interviewer.

I like to learn how to be a good interviewer, and help talent people in the world to grow their career. Through interviews as an interviewer, I also learn how to master a tree algorithm called longest univalue path. I got a few complaints once a while, so I learn how to be friendly and help others to achieve their goal in mock interview.

Show cases:

12/31/18 at 10:00 PM Talking Narwhal interviewed by Platinum Burrito on interviewing.io

10/29/18 at 10:04 PM Lexical Lguana interviewed by Platinum Burrito on interviewing.io

7/11/18 at 10:00 PM Laser Egg interviewed by Platinum Burrito on interviewing.io

5/9/19 at 10:00 PM Massively Parallel Goose interviewed by Platinum Burrito on interviewing.io

January 2015 – June. 2019

Leetcode.com,

It takes a village to raise a child.

Here are highlights:

Over 150 posts to share my C# practice. [Here](#) is the github page to provide all the links;

Algorithm practice: lowest common ancestor is [here](#);

Algorithm practice: longest univalue path is [here](#);

Showcase how to prepare an online code assessment, the link is [here](#);

2019 practice, the link is [here](#).

Statistics

Leetcode weekly contest, over 44 contests, rating 1690, 16559/ 98086 (June 13, 2019).

410 algorithms solved. Solved all easy questions, all tree algorithms (easy, medium, hard), and worked on medium level stack, union find algorithm as well.