Yami(Hanfei) Lin

Software Development Engineer

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LinkedIn | GitHub | Portfolio | Blog | YouTube

Education

University of Illinois at Urbana-Champaign (UIUC)	*Aug. 2017 – Exp. Dec. 2018*
Master of Computer Science	**GPA** 3.96/4.0
East China Normal University (ECNU)	*Sep.2012 – Jul.2016*
B.Eng. in Software Engineering	**GPA** 3.6/4.0 (Rank: 1/53)	National Scholarship |Outstanding Graduation

Skills

Language	Java	Python	C++	C#	PHP	Lua	JavaSript	HTML5	CSS3	SQL	Matlab	Verilog
Framework	Vue.js	Angular.js	React.js	d3.js	FLASK	Spring	LAMP	Spock	MySQL	Druid	Hadoop	
Tools	Jenkins	TravisCI	Git	SourceTree	Selenium	Linux/Unix	Webpack	Grunt	Gulp	Yeoman	Maven| Groovy	AWS| Heroku| Cpanel	OpenStack| Digital Ocean	Unity3D
Certification	EMC Academic Associate (Information Storage and Management)

Work Experience

Yahoo! (Oath Inc.) - Ads., Data Platform & System Engineering Dept.   *Jun. 2018 – Aug. 2018*

Java, Lua, Jackson, Druid/Hadoop, Groovy/Maven/Spring/Spock, Linux/Unix   Software Engineer Intern

- Developed Luthier, a smooth and robust external configuration module for **Fili** [link] (an Open Source REST API written in Java, makes web services for time series reporting with Big Data analytics engines like Druid and Hive). Allowing users to configure Fili through a little line of Lua code.
- Contribute more than 5000 line codes, have an enormous impact within the company for the analytics stacks that rely on Fili.

HP (Hewlett Packard Enterprise) - ALM Group, Software Dept.   *Jul. 2015 – Jan. 2016*

AngularJS, LESS/Sass, Yeoman/Gulp/Bower, IONIC/Cordova   Software Engineer Intern

- Developed the frontend of HP core product **ALM Octane** [link] (a Software Development Life Cycle Management System) and **ALM QoT** (an SDLC management system on the mobile end).
- Contribute about 5000 line codes and a dashboard to visualize the software lifecycle process.

Research Experience

New York University   *Jan. 2016 – Jun. 2017*

FLASK, Python, D3.js   Research Assistant

- Implemented a new d3 based visual analytics system to support user-guided rare category exploration.
- Proposed a novel machine learning algorithm (LOFRCD) to iteratively identify more accurate rare categories in response to user-provided feedback.
- Published an article on IEEE TVCG as the first author. Invited as Reporter on IEEE VIS 2017 conference.

Project Experience (more projects on hanfeilin.me)

- **My Portfolio** [hanfeilin.me] (LAMP + Wordpress) | **My blog** [hanfeilin.com] (Hexo + Node.js)
- **DonkeyDokie** [link] (Materialize + Vue.js + LAMP + AWS)   Leader & Full Stack Developer of 4
- Developed a platform with trustworthy users that helps with travel patterns hunting, trip organizing and etc. Including a recommendation system, data visualization and web-socket based real-time chat system.

Publications

- Lutz, Mark. He Qin & Ming Lin(Translator), **Hanfei Lin**(Reviewer) Learning Python 5th (Chinese Version). *Ituring Community and China Machine Press*, Exp. Jul. 2018.
- **Lin, Hanfei**, et al. "RcLens: Interactive rare category exploration and identification." *IEEE transactions on visualization and computer graphics* 24.7 (2018): 2223-2237. [Link]
- Yuhua Liu, **Hanfei Lin**, et al. "An application of optimization method for storyline based on cluster analysis." The, International Symposium, ACM 2017:24-28. [Link]
- Xiwen Chen, **Hanfei Lin**, et al. "A Process-Visible Compiler Aimed for Teaching Assistant" *Atlantis Press* 15.1 (2016): 2352-5398 [Link]
- **Hanfei Lin**, et al. Design and Application of a Process-Visible Compiler[J]. *Software Engineering And Applications,* 2015,04(5):89-95. [Link]