

# Xin Chen

## Summary of Qualifications

- Oracle Certified Associate, Java SE 8 programmer.
- Second level Certificate for National Computer: Language-C.
- Solid knowledge of Java SE, MySQL, JavaScript, HTML5, CSS, Bootstrap.
- Solid Knowledge of data structure and relational database.
- Knowledge of structured software development lifecycles processes and procedures.
- Extensively experienced in modeling and simulation using MATLAB and COMSOL.
- Ability of managing multi-tasks and problem-solving.
- A self-motivated hard worker with excellent interpersonal skills, cross-group and cross-culture collaboration.
- GitHub: <https://github.com/2016Xin>

## Courses and Academia projects

- Courses taken:

Elementary Computer Science(I) (C),	Managing Big Date with MySQL (coursera.org),
Computer High-level Language (Fortran),	Introduction to Web Development (coursera.org),
Principle of Database,	Algorithms Part I (coursera.org).
- Academia projects: Homepage, Tank War Game, 8-puzzle Solver, Collinear, Percolation.

## Education

<b>Ph.D. in Electrical and Computer Engineering</b>	<b>Aug 2013- Dec 2017 (expected)</b>	
Old Dominion University, Norfolk, VA		<b>GPA: 3.96/4</b>
<b>M.S.in Optics</b>	<b>Apr 2013</b>	
University of Shanghai for Science and Technology, Shanghai, China		<b>GPA: 3.81/4</b>
<b>B.S.in Science Physics</b>	<b>Jul 2010</b>	
Anhui Normal University, Wuhu, Anhui, China		<b>GPA: 3.67/4</b>

## Experiences

- Research Assistant- Applied Research Center-ODU, Newport News, VA** **Aug 2013 - Present**
- Films synthesis by ALD and thermal and electrical characterization of the TE films.
  - Modeled and simulated heat transfer in patterned Si-based TE device using finite element analysis (FEA) software COMSOL Multiphysics.
- Research Assistant- Photo-Electric Functional Films Lab, USST, Shanghai, China** **Sep 2010 - Apr 2013**
- Modeled and simulated an Intensity-interrogated and a wavelength-interrogated pH sensor based on LPFG using MATLAB.
  - Fabricated and tested intensity-interrogated and wavelength-interrogated LPFG pH sensor.

## Certifications

- Java SE 8 Associate programmer, certified by Oracle, August 2016.
- Second Level Certificate for National Computer: C, certified by The Ministry of Education of China, April 2008.

## Skills

- Programming: Java, C, JavaScript, MySQL, HTML, CSS, MATLAB,
- Software: Microsoft Office Software, Visio, OriginLab, COMSOL.
- Operating System: Windows, Mac OS X, Linux.

## Awards and Honors

- Mid-Atlantic Chapter of the AVS poster competition, Second place, in March 2016.
- Invited talk at Electrochemical Society Conference in Phoenix, Arizona, in 2015.