Jie **Chen**

UNDERGRADUATE AT UNIVERSITY OF MARYLAND - COLLEGE PARK

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"if(!today.isCompilable()){ debug(today); recompile(today); }"

Education

University of Maryland - College Park   College Park, MD

B.S. IN COMPUTER SCIENCE | MINOR IN TECHNOLOGY ENTREPRENEURSHIP   *Expected May, 2019*

- College Park Scholars Program - Science and Global Change. (Expected Citation: May 2017)
- Cumulative GPA: 3.806 | 2 Semester Academic Honors

Richard Montgomery High School   Rockville, MD

HIGH SCHOOL DIPLOMA   *June, 2015*

- Cumulative GPA: 3.96 | WGPA: 4.43
- Completed threeYears of JAVA programming courses.

Experience

Roffe Enterprises Inc t/a H.H.C. Group   Gaithersburg, MD

COMPUTER PROGRAMMING INTERNSHIP   *Jun. 2016 - Present*

- Programming Language / Technology used: ASP.NET, AngularJS, HTML, CSS, JS, MVC, Boostrap, Angular Material.
- Develop web applications using ASP.NET, Bootstrap, and AngularJS as front-end, and C# as back-end. (10k + Lines of Codes, MVC)
- Perform security audit and fix existing security loopholes.
- Translate and renovate older VB software into C# and adopt newer Windows Server environments.

National Chinese Honor Society at Richard Montgomery HS Chapter   Rockville, MD

CO-PRESIDENT   *Sep. 2014 - Jun. 2015*

- Organize events to promote Chinese cultures and recruit new members.
- Coordinate fund-raising events.

Knowledge & Skills

Programming	JAVA, C#, PHP, LaTeX, SQL
Web	AngularJS, ASP.NET, HTML, CSS, JS, Bootstrap, ASP.NET MVC
OS/Applications	Ubuntu, Windows Server, Git, CDN, Apache/Nginx, SSH
Security	DDoS, SQL Injection, Data Communication Potocal
Languages	English, Chinese (Mandarin), Fuzhouese (Chinese Dialect)

Projects

Restraurant Point of Sale System   Written in JAVA

RESTRAURANT POS USING MVC ARCHITECTURE (ONLY IMPLEMENTED MODEL)   *June 2016*

- Utilize: Serializable, multi-threaded file processing, Map & Set, and Hashing.
- Features: Open Source, ordering, order files processing, entree management, inventory management, and employee management.

Graphs   Written in JAVA

ALGORITHMS FOR TRAVERSING GRAPH DATA STRUCTURES   *May 2016*

- Utilize: Map & Set, Hashing, and Callback.
- Features: Breadth-First Search, Depth-First Search, and Dijkstra's algorithm.

Binary Search Tree   Written in JAVA

POLYMORPHIC BINARY SEARCH TREE USING RECURSION   *April 2016*

- Utilize: Tree, BST, Polymorphism, Recursion, and Singleton.

Extracurricular Activity

2016	**Student**, IBM Big Data University	*Online*
2015-2016	**Contributor**, OpenSNS Open Source Social Networking Site	*Online*
June 2016	**Member**, DDoS Protection Bootcamp - Basic & Advanced	*Online*
2014-2015	**Co-President**, National Chinese Honor Society at Richard Montgomery HS	*Rockville, MD*
2014-2015	**Member**, Science National Honor Society	*Rockville, MD*
2011-2015	**Volunteer**, Rockville Memorial Library Book Sale	*Rockville, MD*

Honors & Awards

2014	**2nd Place**, Montgomery College JAVA Programming Competition	*Rockville, MD*
2015-2017	Delegate Platt Scholarship	*Montgomery, MD*
2015	President's Award for Educational Excellence	*Rockville, MD*
2011-2015	**Consecutive**, Honor Roll	*Rockville, MD*
2011-2015	**6 Times**, Student of the Month	*Rockville, MD*

Papers

The Dark Side of Backdoors: Examining the Danger of Backdoors and Exploring the Possible Alternatives

UNDERGRADUATE RESEARCH & POSITION PAPER   *May. 2016*

- Examine the histories and current state of encryption issue popularized by Apple v.s. F.B.I. about San Bernardino shooter's iPhone.
- Explore the impacts for technology industries and vulnerabilities as the side products of backdoors.
- Offer possible alternative solutions for Encryption dilemma.