

Jie Chen

530 Bradford Dr, Rockville, MD 20850

+1 301 250 5046 | jie@umd.edu | jchenbyte.com | GitHub.com/JChenByte | LinkedIn.com/in/JChenByte

Education

University of Maryland - College Park

College Park, MD

B.S. IN COMPUTER SCIENCE · MINOR IN TECHNOLOGY ENTREPRENEURSHIP

EXPECTED MAY, 2019

- Cumulative GPA: 3.871 · 3 Semesters Academic Honors / Dean's List · College Park Scholars Program - Science and Global Change

Knowledge & Skills

Programming	JAVA, C#, Ruby, PHP, HTML, CSS, JS, Bootstrap, Laravel, SQL, AngularJS
OS/Applications	Ubuntu, Windows Server, Git, Apache/Nginx, Emacs, IIS
Security	DDoS, SQL Injection, Basic Cryptography
Languages	English, Chinese (Mandarin)

Experience

Roffé Enterprises, Inc. t/a H.H.C. Group

Gaithersburg, MD

PROGRAMMING INTERNSHIP

JUN. 2016 - AUG. 2015

- Independently developed front-end of ASP.NET web application and intergrated into existing databases with assistance. (15k + SLOC)
- Discovered and offered fixes for several security vulnerabilities in the existing applications.
- Experimented with AngularJS, single page routing, and API calls.
- Language / Technology: ASP.NET, C#, VB, HTML, CSS, JS, Bootstrap, AngularJS, Angular Material, SQL Server, Visual Studio, IIS.

Independent Projects

Lyrics Analyzer - In Progress

PHP / JS

AN IBM WATSON POWERED INTELLIGENT LYRICS SENTIMENT ANALYZER.

FEB. 2017

- Key Features: Watson Powered, sentiment analysis, Materialize design, and iTunes top musics analysis.

Earthquake Real Time Visualization - Open Source

PHP / JS

A WebGL-BASED EARTHQUAKE REAL TIME VISUALIZATION ON A 3D GLOBE.

OCT. 2016

- Key Features: Real time earthquake update and mapping, JSON process, and API-based access.

Encrypted Notebook

PHP / Laravel

A WEB-BASED FULL FEATURED MARKDOWN NOTEBOOK WITH CLIENT-SIDE ENCRYPTION.

SEP. 2016

- Key Features: Client-side AES-256 encryption, full featured Markdown editor, zero knowledge of the content, and password-based sharing.

License Activation System - Closed Source

C#

A LICENSE ACTIVATION DLL WITH BUILT-IN ANTI-TAMPER FEATURES FOR BOTH SUBSCRIPTION-BASED AND USAGE-BASED PAYMENT MODEL.

AUG. 2016

- Anti-tamper features: Asymmetrical key, unique hardware fingerprint, timestamp & counter verification, file hashing, log reporting.

Restaurant Point of Sale System - Open Source

JAVA

A RESTAURANT POS USING MVC ARCHITECTURE - MODEL ONLY

JUN. 2016

- Key Features: Serialization, multi-threaded, ordering, receipt processing, daily reports, entree, inventory, and employee management.

Relevant Courses / Bootcamp

Computer Science

- CMSC351 | Algorithms (Current) · CMSC330 | Organization of Programming Languages (Current)
- CMSC250 | Discrete Structures · CMSC216 | Introduction to Computer Systems · Cybrary · DDOS Protection Bootcamp

Honors & Awards

2014	2nd Place , Montgomery College JAVA Programming Competition	Rockville, MD
2015-2016	Three Times , Dean's List / Academic Honors	College Park, MD
2015-2017	Delegate Platt Scholarship	Montgomery, MD
2011-2015	Consecutive , Honor Roll	Rockville, MD

Extracurricular Activity

2017	Participator , Daemon Dash Hackathon 2017 - Online Banking System [daemon17.jchenbyte.com]	College Park, MD
2015-2016	Contributor , OpenSNS Open Source Social Networking Site (PHP, MySQL, ThinkPHP Framework)	Online
2014-2015	Co-President , National Chinese Honor Society at Richard Montgomery HS Chapter	Rockville MD