

# Matthew B. Dang

SOFTWARE ENGINEER

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## Education

### University of Maryland, College Park

B.S. IN COMPUTER ENGINEERING (3.535)

- Awarded the Jeong H. Kim Scholarship which is given to promising students in ECE Dept.

Maryland, USA

Aug. 2014 - May. 2018

### University of Maryland, Global Campus

M.S. IN INFORMATION TECHNOLOGY WITH SOFTWARE ENGINEERING SPECIALIZATION

Maryland, USA

Sep. 2020 - Current

## Experience

### C2Educate

PART TIME TUTOR

- Teaching students for SAT Math prep and in school math help.

Silver Spring, MD

30-35hr/wk Mar. 2020 - Current

### Epic Systems

SOFTWARE DEVELOPER

- Investigated bugs and performance issues, and wrote fixes in Caché.
- Lead a project to redesign a data display feature in EpicCare Ambulatory.
- Wrote conversion code to keep customer data compatible when upgrading software.

Verona, WI

40+hr/wk Sep. 2018 - Oct. 2019

### Turning Point Global Solutions

SOFTWARE ENGINEER INTERN

- Implemented and automated a shell script to backup MySQL databases.
- Deployed and created application servers to test backup script using Apache, Wildfly and Java.
- Improved bill upload parser in order to reduce fallout and created more specific error messages.

Rockville, MD

40+hr/wk Jun. 2017 - Aug. 2017

### Turning Point Global Solutions

SOFTWARE ENGINEER INTERN

- Wrote a query translator that changed table and column names into nondescript names for security purposes using Java.
- Wrote a telecommunication billing parser that output csv files using Java.

Rockville, MD

40+hr/wk May. 2016 - Aug. 2016

## Extracurricular Activity

### AVL & Splay Tree

CREATOR

- Built an AVL and splay tree class to apply what I learned in Data Structures.

Maryland, USA

Aug. 2017 - Sep. 2017

### C Parser & Interpreter

CREATOR

- Built a small C Parser and Interpreter with OCaml. Using a top down parser to create an AST which was then interpreted.

Maryland, USA

Oct. 2016 - Nov. 2016

## Languages & Coursework

JAVA, C, SQL, CACHE

ALGORITHMS, DATA STRUCTURES, JAVA PROGRAMMING, INTRODUCTION TO DATA SCIENCE, COMPUTER SYSTEMS

SECURITY, OPERATING SYSTEMS, ORGANIZATION OF PROGRAMMING LANGUAGES, COMPUTER SYSTEMS, DISCRETE

SYSTEMS, DISCRETE MATH