

Matthew B. Dang

SOFTWARE ENGINEER

3000 Schubert Drive, Silver Spring, MD, 20904

☎ (+1) 240-676-1289 | ✉ matthewdang96@gmail.com | 🏠 www.mattdang.me | 📺 ItsDang | 🌐 dangmatthewdang

Education

University of Maryland, College Park

Maryland, USA

B.S. IN COMPUTER ENGINEERING (3.484)

Aug. 2014 - PRESENT

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

Experience

Turning Point Global Solutions

Rockville, MD

SOFTWARE ENGINEER INTERN

Jun. 2017 - Aug. 2017

- 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.

Turning Point Global Solutions

Rockville, MD

SOFTWARE ENGINEER INTERN

May. 2016 - Aug. 2016

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

Turning Point Global Solutions

Rockville, MD

SOFTWARE ENGINEER INTERN

Jul. 2015 - Aug. 2015

- Produced and revised the online help documentation for a web based application as it developed and gained new functionality.

Extracurricular Activity

Arduino Morse Code

Maryland, USA

CREATOR

Sep. 2017

- Coded a Arduino program to convert and signal a message in Morse Code.

AVL & Splay Tree

Maryland, USA

CREATOR

Aug. 2017 - Sep. 2017

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

C Parser & Interpreter

Maryland, USA

CREATOR

Oct. 2016 - Nov. 2016

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

ToDoList

Maryland, USA

CREATOR

Aug. 2016 - Sep. 2016

- Android application that facilitates as a to do list, created through Android Studio, as a foray into Android Development.

Languages & Coursework

JAVA, PYTHON, RUBY, SQL, ASSEMBLY, C, OCAML, PROLOG, GIT, HTML, CSS, JAVASCRIPT

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

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

SYSTEMS, DISCRETE MATH