

MATTHEW D. ROSENFELD

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EDUCATION

University of Maryland

Bachelor of Science, Electrical Engineering

Minor, Computer Science

Minor, Music Performance

College Park Scholars, Business Society and Economy

Cumulative GPA: 3.25

Expected Graduation Date: May 2018

Citation Completed: Spring 2016

SKILLS

Proficient:

Java • C • Ruby • VBA (Visual Basic) • LabVIEW
• MS Office

Novice:

SQL • JavaScript • AngularJS • OCaml • MATLAB • Prolog
• HTML • CSS

WORK EXPERIENCE

WD Lab Grown Diamonds

Operations Intern

Beltsville, MD

01/2015-present

- Manage, maintain and build various aspects of the inventory tracking system in MS Access
- Implement current OOP skills while learning SQL and database management concepts
- Conducted and reported on patent searches on relevant technology

Student Intern

Professor A. Yavuz Oruc, University of Maryland

College Park, MD

01/2017-02/2017

- Perform significant updates on an application in Java, extensively using JavaFX
- Exposure to UI design and full application development

Oak Ridge National Laboratory Spallation Neutron Source

Electrical Engineering Intern

Oak Ridge, TN

06/2016-08/2016

- Worked with a mentor to complete an engineering task related to Control Systems
- Completed a written report, poster, and multiple oral presentations on the research project
- Gained experience in the problem-solving nature and vigor of engineering in research

L&L Music, Wind Shop Inc.

Retail Store Assistant

Gaithersburg, MD

08/2012-03/2013

- Applied instrumental music knowledge and experience in guiding customers to significant purchase and rental decisions

RELATED COURSE WORK & PERSONAL PROJECTS

CMSC330

Organization of Programming Languages

College Park, MD

02/2017-05/2017

- Exposure to functional and logical-based programming languages
- Implemented parser, lexer, and interpreter in OCaml for a small programming language

Bit Camp

Hackathon Participant

College Park, MD

04/2017

- Worked with another student to create our first Chrome Extension
- Gained skills in JavaScript and opened doors to learning more about web-based programming

LEADERSHIP ACTIVITIES

Phi Mu Alpha Sinfonia Fraternity (Nation's oldest and largest music fraternity)

University of Maryland

President Elect

09/2017-05/2018

Social Director

09/2015-present

- Leader of a committee responsible for many chapter events including fundraisers, community service, social events, and recruitment
- Passionately work to ensure lasting success of the organization