

MATTHEW EDWARDS

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EDUCATION UNIVERSITY OF MICHIGAN

Class of 2020 – BSE in Computer Science
Minors: Math, Entrepreneurship

GPA: 3.55
Dean's Honor List 2016-2018

2016 –
Present
Ann Arbor, MI

COURSEWORK

Data Structures and Algorithms, Operating Systems, Computer Security, Discrete Math, Logic Design, Embedded System Design, Artificial Intelligence, Linear Algebra

EXPERIENCE SOFTWARE ENGINEERING INTERN

RetailMeNot, Inc.

- Designed a machine learning pipeline to rank users based on platform behavior
- Deployed scalable, trained model to run over 20 million data points in 2min

May 2018 –
August 2018
Austin, TX

SOFTWARE ENGINEERING INTERN

RetailMeNot, Inc.

- Implemented an embeddable widget and updated backend dependencies
- Integrated into an core agile development team to work on production code

May 2017 –
August 2017
Austin, TX

APPLICATIONS DEVELOPER

Freelance Developer

- Creation of medical information Web App (PHP, Javascript, MySQL)
- Creation of Android and iOS Apps for users to search medical database

Sept. 2016 –
May 2017
Ann Arbor, MI

OFFICE ASSISTANT

Virginia Tech, Department of Computer Science Advising Office

- Digitized Department records

June 2016 –
August 2016
Blacksburg, VA

RESEARCH ASSISTANT

Virginia Tech, Department of Computer Science

- Programmed test case generator application in Java
- Analyzed runtime performance using Eclipse tools and Excel spreadsheets

June 2015 –
August 2015
Blacksburg, VA

PROJECTS M20 ASSEMBLY

- Designed ISA and implemented assembler, linker, and hardware simulator (C++),
<https://github.com/msedwar/m20-assembly>

2018 –
Present

DECENTRALIZED ELECTION SYSTEM

National Award: Cutler-Bell Prize in High School Computing (One of 4 winners, 2016)

- Decentralized E-Voting System based on the Bitcoin algorithm,
<http://mjolnircommando.github.io/DES/>

2015 –
Present

COMMUNITY UNIVERSITY OF MICHIGAN IEEE

- Assisted in technology workshops for web and Arduino

2016 –
Present

BLACKSBURG CODER DOJO

- Designed and taught courses targeting youth without CS exposure

2014 – 2016

SKILLS

Cloud AWS (EC2, S3, Elastic Beanstalk), Docker, Apache

Tools Git, JIRA, BitBucket / GitHub, IntelliJ, Eclipse, XCode, Photoshop, GIMP, Sketch

Languages Java, C/C++, Python 2/3 (Keras, Tensorflow, Numpy), Swift, PHP, MySQL, OpenGL, JavaScript (jQuery, React, Node.JS), Assembly (ARM, x86), HTML / CSS, YAML / JSON

General Desktop and Mobile App Development, UX Design, Algorithm Design, Graphics, Research
OS macOS Sierra, Windows 10, Linux (Ubuntu, RedHat, Rasbian), Android, iOS