Yusuf Ameri

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EDUCATION

2015 - 2018	University of Maryland, College Park	GPA: 3.2
	BS in Computer Science, **Data Science Specialization**
	Honors College – Entrepreneurship and Innovation Program (EIP)

EXPERIENCE

Summer 2015 — **Software Engineering Intern, National Institute of Standards and Technology**
Applied and Computational Mathematics Division, Gaithersburg MD
- Conducted an extensive code review and debugged an Open Source MediaWiki (DRMF) for a mathematically-oriented audience
- Analyzed and documented code for future interns

Summer 2014 — **Software Engineering Intern, National Institute of Standards and Technology**
Center for Neutron Research, Gaithersburg MD
- Developed scalable and parallel computational models in OpenCL on a GPU to increase neutron modeling speed 50x fold
- Designed a python user interface for various physics models used by the lab

2015 - Present — **Writer and Hacker, Terrapin Hackers**
- Attended 10+ hackathons across the east coast since Nov 2015
- Publish stories about Terrapin Hackers events (www.medium.com/@yusuf.ameri)

TECHNICAL PROJECTS

September 2016 — **Doctor Alexa** – *MedHacks 2016: John Hopkins University Hackathon*
www.devpost.com/software/doctor-alexa
- Smart voice enabled Amazon Echo assistant to help patients in the medical triage
- Converses and connects you to the medical attention you need
- *Built with: Node.js, Javascript, Amazon Web Services, Amazon Echo*

March 2016 — **WhichBus Navigation** – *Bitcamp 2016: University of Maryland Hackathon*
- Revamped the national NextBus navigation app to provide bus transit directions
- Implemented shortest path graphing algorithms (dijkstra's) on UMD transit system
- Open Sourced to community as a Ruby Gem
- Built with: *Ruby Gems, NextBus API*

January 2016 — **Charity API** – *HoyaHacks 2016: Georgetown University Hackathon*
- Created an API for the IRS's open data on 501c non-profits
- Designed a database, wrote validation tests, and cleaned the data
- Built with: *Ruby on Rails*

AWARDS AND RECOGNITION

2015	Graduated in top 5% of class
2015	AP Scholar with Distinction
2015	Certificate of Meritorious Service for 260+ SSL hours

COMPUTER TECHNOLOGY SKILLS

Languages:	Ruby, R, C, Java, Octave, SQL (Oracle)
Technologies:	UNIX, Ruby Gem, Ruby on Rails, AWS, Git
Methodologies:	BDD, TDD, Unit Testing
MOOCs:	Machine Learning by Stanford University on Coursera (with **Certificate**)

RELEVANT COURSEWORK

Database Design (CMSC424), ***Data Science*** (CMSC320), Algorithms (CMSC351),
Programming Languages (CMSC330), *Linear Algebra* (MATH461), *Statistics* (STAT400),
Object Oriented Programing (CMSC132), Global Entrepreneurship (HEIP240)

INTEREST

History, Psychology, Cognitive Sciences, Soccer, Graph Algorithms, E-commerce