

Hassan Almas

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Education

Virginia Polytechnic Institute and State University

Pursued Major (Spring 2016): Computer Science

GPA: 3.59

Academic Honors: Presidential Scholarship, Honor College, Dean's List (4x)

Relevant Courses: Programming Team (Java), Math in a Computational Context (MATLAB), Intro to Artificial Intelligence I and II (Python), Cryptography

Thomas Jefferson High School for Science and Technology (2013)

Professional Experience

Facebook

Software Development Intern (June 2015 - August 2015)

- Hack (PHP) developer working on the Check-Ins team
- Invented technology currently undergoing the patent process
- Collaborated closely with applied machine learning teams to develop said technology
- Implemented changes that increased the number of Check-In authors by 14% of impressions

Fifth Tribe

Software Developer (June 2013 - December 2014)

- Lead developer on .NET application in C#
 - Used Windows Presentation Foundation to develop and deliver Windows application from scratch
 - Architected object oriented structure and implementation of Model-View-View Model design pattern
 - Managed new developer working on the application, performing code checks and assigning tasks
- In charge of ongoing development for iOS application in Objective-C.
 - In charge of memory management, fixed leaks that were preventing application from releasing
 - Interacted with web services for user login, downloading data, and tracking usage analytics
 - Development experience taking into account legacy code that had to be supported

Modern Technology Solutions Inc.

Data Analysis and Research Intern (July 2012 - February 2013)

- Developed a variable sized neural network in MATLAB that could be trained given a set of data.
- Used the neural network object to learn patterns of flight densities with corresponding airways
- Performed and learned about statistical analysis, looking at levels of confidence in data and results
- Wrote professional write-ups on progress, and well as a final research paper documenting results

Extracurricular Experience

Programming Team

- Compete in weekly competitions, testing a variety of knowledge about data structures and algorithms
- Plan workshops for new students to learn material through one on one help, as well by creating an ongoing video lecture series on uncommon algorithms and data structures
- Manage outreach programs such as interview preparation workshops and interest meetings.

Awards

Bloomberg Codecon

- Placed second in Bloomberg's Codecon competition for Virginia Tech
- Qualified for national level competition, placed 6th in the national finals

Bloomberg Hackathon

- Won most creative app at Bloomberg's Virginia Tech Hackathon

ACM ICPC Regional Competition

- Placed 15th at Mid-Atlantic regional competition