

Mr. Md Azmain Amin

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Education

Washington and Lee University
Bachelor of Science, Computer Science

CGPA/Major GPA: 3.791/3.843
Expected Graduation Year: 2017

Experience

Software Engineering Intern

June, 2016 – September, 2016

Continental Utility Solutions Inc. (CUSI)

Jonesboro, Arkansas

- Implemented core features like 'Quick Pay', 'Swagger interface for APIs' and 'SMS Subscription' in CUSI's Utility Management Software and Payment Portal web app
- Implemented API endpoints and integrated them with database
- Tested (unit testing) and reviewed code
- Tools Used: C#, Javascript (ES 6), SQL, Visual Studio, Git, Restful APIs, ASP.NET, Aurelia

Computer Science Teaching Assistant

September, 2015 – present

Washington and Lee University

Lexington, Virginia

- Assist students in understanding the fundamentals of programming using Python

Robert E. Lee Summer Research Scholar (Funded research)

May, 2015 – August, 2015

Washington and Lee University

Lexington, Virginia

- Research on automated testing of web services under the guidance of Professor Sara Sprenkle
- Presented a poster and wrote a paper on our summer research

Relevant Projects

FoodDealer (A web app that finds the best food deals in Bangladesh)

Sole Developer (both front and back-end)

- Built, tested and deployed the web app using Django Framework. Address: www.fooddealer.xyz

RockBridge Pets (Helps you find pets in Rockbridge County)

Team collaborator in web application creation

- Managed back-end coding and debugging of web app
- Used Django Framework and Django Rest Framework

Sign Following Robot

Team leader

- The robot looks for a blue sign, moves towards it and executes what the sign says.
- Programmed the image detection and word recognition algorithm using OpenCV and PyTesseract Python libraries

Picasso (An image processing application)

Team leader and lead back-end contributor

- Programmed the key features: parse and evaluate tokens, random expression generation
- We built it using Java in Eclipse and tested it with JUnit.

Training a neural network to distinguish between cats and dogs

Team leader

- Trained a neural network to distinguish between cats and dogs.
- Programmed in Python using Theano library.

Leadership

Founder and President, Washington and Lee BP Debate Club

2014 – 2016

Project Manager, Entrepreneurship and Innovation Society (EIS)

2015 – 2016

Vice President, Gentlemen's League (A social club)

2015 – Present

Member, Omicron Delta Kappa (National Honor Society for Leadership)

2016 - Present

Skills

Computer: Python, Java, JavaScript (ES6), C#, Neural Networks, SQL, GIT, ASP.NET, Aurelia, Java WebApp Development, JUnit, Django Framework, Bootstrap/MaterializeCSS, RESTful APIs, Linux

Business: Entrepreneurship-(Winner of 4 pitching competitions), Social Entrepreneurship

Language: Bengali (Fluent), English (Fluent), Hindi (Working proficiency), Arabic (Basic)