James Clark

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Education

August 2015 - Present

American University, Washington, D.C. – *B.S. Computer Science, Minor: Mathematics*

Overall GPA 3.78, Major GPA, 3.9

January 2014 - May 2015

Massasoit Community College, Brockton, MA – *A.S. Computer Science Transfer*

GPA 3.9

Skills

Python Clojure, C, Java, Matlab, Linux, Git source control tools, Machine Learning, Tensor Flow, Windows, Mathematics, Scientific Computing , SQL, R

Experience

May 2017 - PRESENT

American University Computer Science Department. – *Research Assistant*

- **I am currently working under the SuperVision of Dr. Nathalie Japkowicz in her data science laboratory at American University.**
- **The focus of my research is to use change point detection methods to improve threshold determination of autoencoders. With this we can account for concept drift and outliers.**

August 2016 - PRESENT

American University Mathematics Department, Washington D.C. – *Calculus II && Calculus I Grader*

- **Responsibilities Include: Grading homeworks and quizzes for both Calculus I and II for Professor Olga Cordero- Brana**
- **Skills required are to have gotten at least an A- or above in both classes and to have a recommendation from a professor. Also must have knowledge of differential and integral calculus as well as knowledge on infinite sequences and series.**

May 2016 - August 2016

Mac Landscaping, Plymouth, MA – *Laborer*

- **Worked for a small local landscaping company doing miscellaneous tasks such as cutting grass, edging, weeding ect.**
- **Left to go back to school**

January 2015 - August 2015

Enomass, Stoughton, MA – *Delivery Driver*

- **Made deliveries for a small wine distributor in and around Metro Boston Area**
- **Left due to pursuing school in Washington DC**

November 2012 - May 2014

Teltron Engineering Inc, Foxboro Ma – *CNC Machinist*

- **Worked for a small metal fabrication company in Foxboro Mass primarily working on a CNC punch press machine. I would run and maintain the machine which was an Amada Pega 357 Turret Punch Press. I also would make changes to the computer code if needed to save time, tools, or material.**
- **Also would do other duties around the machine shop such as sanding, bending, or helping packing in the warehouse.**
- **I decided to leave to pursue school full-time**

March 2009 - November 2012

Property Design and Landscape, Plymouth MA – *Laborer*

- **Worked for a small local landscaping company doing miscellaneous tasks such as cutting grass, edging, weeding ect.**
- **Also worked on small hardscape jobs such as patios, walkways, and retaining walls.**
- **I left to pursue a different job at Teltron Engineering**

Awards

Massasoit Community College-
> **Member of Phi Theta Kappa, Honors Society of Community Colleges,**
> **Dean's List Fall 2014 and Spring 2015**

American University -
> **Member of Tau Sigma, Honors Society for Transfer Students that receive a GPA above 3.5 after transferring.**
> **Member of Upsilon Pi Epsilon, Honors Society for Computer Science students,**
> **Dean's List Spring 2016, Spring 2017**

Coursework:

● Calculus I	Massasoit:
● Calculus II	American : Math-222
● Calculus III	American: Math-310
● Linear Algebra	American: Math-313
● Tools of Scientific Computing	American: Math-460
● Simulation and Modeling	American: CSC-465
● Algorithms and Data Structures	American: CSC-510
● Computer Science II	American: CSC-281
● Intro to Java Programming	Massasoit
● Operating Systems	American: CSC-565
● Organization of Computer Systems	American: CSC-330
● Design and Organization of a Programming Language	American: CSC-521
● Database Management Systems	American: CSC-570
● Basic Statistics	American: Stat -202
● Concept Learning Systems/ Machine Learning	American: CSC-490
● Computer Science Capstone Project	American: CSC-493