

**Dr. Jamil Ramsey**  
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## Career objective

Seeking a faculty position at the Department of Cyber-Physical Systems at Clark Atlanta University with an opportunity to pursue my interests in the fields of Blockchain, Distributed Computing, Graph Theory, Machine Learning and engage in academic research.

## Education

Ph.D.	Technology	Capitol Technology University	2021
M.S.	Computer Science	Bowie State University	2015
B.S.	Computer Science	University of Maryland University College	2013
B.A.	Graphic Design/Illustration	Clark Atlanta University	2005

## Research Interests

Blockchain, Distributed and Cloud Computing, Graph Theory, Machine Learning and Pattern Recognition, Database Systems, Data Modeling and Processing,

## Research Experience

<b>Blockchain Research</b>	Bowie State University	09/2019-12/2019
<ul style="list-style-type: none"><li>▪ Researched novel approaches to governance for blockchains</li><li>▪ Developed Dapps using Solidity</li><li>▪ Developed applications using Hyperledger Fabric</li><li>▪ Integrated Hyperledger composer API's with React front end.</li></ul>		

<b>Pattern Recognition Research</b>	Bowie State University	09/2018-05/2019
<ul style="list-style-type: none"><li>▪ Developed Pattern Recognitions models using Bayesian Inference</li><li>▪ Developed applications using the Numpy/Scipy python stack</li><li>▪ Developed applications using TensorFlow</li><li>▪ Researched GPU acceleration with CUDA programming</li></ul>		

## Teaching

My teaching philosophy is that all students should have ownership of their education process. I believe a sense of agency is vitally important for the learning. I aim to create an environment where the student is an active participant in the learning process.

I believe that there are three essential elements that are conducive to learning. (1) The ability to intake and remember information. (2) The ability to integrate that information and apply it. (3) The ability to extend the usage of that information to unknown and unfamiliar applications. I believe my job as a professor is to guide students through a structured process which allows them to experience these three components of learning.

## Teaching Experience

- **Adjunct Professor** Capitol Technology University 08/2019-Present  
I am an Adjunct faculty member in the Computer Science Department teaching, Introduction to programming using Java and iPhone App Development.
  - Instruct classes 75 minutes, two times each week
  - Maintain a class syllabus, assignment log, and additional material helps for the students
  - Plan lectures, assignments, and in-field experiences to collaborate with necessary course curriculum
- OMB Yearly Budget Training, 04/2011-04/2013: Facilitated classroom training for government agencies. I developed the curriculum for the training based on upon yearly updates to OMB's budget software. The training was delivered as a lecture with a lab session.
- SAMSA Training Development, 07/2013-09/2014: Developed Moodle LMS, built Scorm packages using adobe captivate.

- GCP Learning Portal, 04/2016-04/2019: Developed Moodle LMS, built classes and assessments using Moodle site building tools.

## Dissertation

Toward a Framework for Adoptability of Blockchain Technologies

Technology Program  
 Computer Science Department  
 Capitol Technology University

Abstract: Blockchain technology transfers management of the trust relationship from a central authority to individual users. The blockchain protocol protects transactions, verifying cryptographically that submitted blocks are transmitted unaltered. However, the system has no way to validate that the user who initiated the transaction is a trusted party. This quantitative study's purpose is to examine trust as a significant factor when making an adoption decision to use Blockchain Technology; And its use in the development of a decentralized identity verification architecture that would facilitate adoption. This study expands upon previous research in Decentralized Identity for blockchain to improve and update understanding of its effectiveness in the adoption of blockchain networks. The derived constructs were built using previously validated technology acceptance model: perceived ease of use, perceived usefulness, trust, consumer perception, and usage intention could be used as predictors for the adoption of Blockchain technologies. The surveyed population were U.S. based participants, and structured equation modeling techniques was used to analyze the survey results. Analysis was performed using IBM SPSS, and SmartPLS 3.3.3. The results showed that when consumers feel Blockchain technology can be useful, the higher the probability of use, supporting trust and consumer perception as predictors. Results also determined that the more consumers trust Blockchain technologies and the more positive consumer perception is, the more likely they are to find the technology useful. It was also found that when trust acts a mediator, the effect of perceived usefulness is significantly higher. The study concluded with recommendations to expand Blockchains' architecture to incorporate decentralized identity system. The need research was also emphasized.

## Professional Experience

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|---------------------------------------|----------------------------|-----------------|
| • <i>Sr. Full Stack Developer.</i>    | Booz Allen Hamilton, DOL   | 04/2019-Present |
| • <i>Sr. Drupal Developer.</i>        | Leidos, NIH/NHLBI          | 04/2016-04/2019 |
| • <i>Sr. Developer.</i>               | Questex Media, LLC         | 01/2015-04/2016 |
| • <i>Drupal Developer.</i>            | DSFederal, HHS             | 09/2014-12/2014 |
| • <i>Software Developer – Drupal.</i> | JBS International, SAMSA   | 07/2013-09/2014 |
| • <i>PHP/Drupal Developer.</i>        | NumbersUSA                 | 04/2013-07/2013 |
| • <i>Systems Analyst.</i>             | COMPUTECH, INC., (EOP/OMB) | 04/2011-04/2013 |
| • <i>Systems Analyst Level II.</i>    | Oracle                     | 12/2008-03/2011 |

## Skills

Computer Languages:

Golang, Swift, PHP, Python, Java, C/C++, x86 Assembly, JavaScript, Bash scripting, CSS, HTML5

Frameworks/Libraries/CMS:

Drupal, WordPress, Django, Flask, jQuery, Angular, React.js, TensorFlow, Keras, PyTorch, Caffe, Caffe 2, LAMP

Databases:

MySQL, PostgreSQL, MongoDB, Oracle

Cloud Services:

Acquia Cloud (*1 yr. Production deployments*)

AWS Web Services (*7 yrs. Production deployments*)

AZURE Cloud (*1 yr. Production deployments*)

Digital Ocean (*5 yrs. Production deployments*)