

Michael-Andrew Keays

Robot Overlord

PERSONAL DETAILS

Address Alexandria, Virginia
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WORK EXPERIENCES

Fullstack Software Engineer

February 2021 - Present

Unit21

- Designing and implementing case management solutions
- Designing, implementing, and maintaining several microservices, with attention to security, performance at scale, and maintainability
- Triaging and resolving urgent customer issues, particularly regarding data integrity

Quality Engineer

August 2019 - February 2022

MicroStrategy

- Architecting and executing performance tests focused on multiple core server functionalities
- Designing and executing automated stability, security, and functionality tests
- Developing and maintaining security automation for native web systems
- Maintaining existing testing infrastructure in company-wide CI/CD pipelines

Undergraduate Researcher

June 2018 - April 2019

George Mason University

- Research in Autonomous Vehicle Integration and Design, as well as modern vehicle safety
- Designed and developed Open Dataset Labeling Software
- Research and education in modern data mining techniques for vehicle classification

Afterschool Teacher, Lead

April 2016 - August 2018

Stem ExCEL

- Teaching elementary school-grade children skills in computer game design, programming, and electrical engineering

CERTIFICATIONS

PHP with MySQL

Aspirevision Tech, Microsoft



Cloud Computing

Electrocloud Labs of NIT Durgapur



SKILLS

Languages Bengali (mother tongue)

	English
<i>Programming Languages</i>	C/C++, PYTHON, PHP, JAVA, VHDL
<i>Software</i>	MATLAB, XILINX ISE, BIOINFORMATICS, SYSTEMC
<i>Subjects</i>	COMPILER DESIGNING, COMPUTER NETWORKS, ALGORITHMS OPERATING SYSTEM, DBMS, MICROPROCESSOR COMPUTER ARCHITECTURE AND ORGANISATION , GRAPHICS AUTOMATA THEORY AND NATURAL LANGUAGES SIGNALS SYSTEMS AND CIRCUITS, DATA STRUCTURES DISCRETE MATHEMATICS, COMMUNICATION SYSTEMS DIGITAL LOGIC AND CIRCUIT DESIGN

PROJECTS

M.Tech Project

July'18-June'19

Direct Torque Control of Induction Motor

Supervision : Under Dr. N K Swami Naidu, IIT BHU, Varanasi

We have developed a Network-On-Chip simulator, Noxim. Our main objective was to develop a simulator that can perform all types of functionalities in a single platform.

Personal Project

June'18-July'18

Supervision : Under Dr. Santi P. Maity, IEST, Shibpur

Gold Code generation using 255 bit PN Generator and Multi-User Detection

In this project we had designed a Gold Code Generator using two 255 bit PN Generator and analyzed its properties.

Personal Project

Dec'17-present

Supervision : Under Dr. Prasun Ghosal, IEST, Shibpur

Online Compiler and data storage

I am working on a website from where anyone can take help for their coding, they can upload their codes there, they can compile codes. If anyone wants to ask for help for particular purpose they can post their problem statement there.

EDUCATION

M.Tech. Indian Institute of Technology, Varanasi

2017-2019

Secured 8.34 CGPA.

B.Tech. Greater Noida Institute of Technology greater Noida

2011-2015

Secured 73.34 percentage.

12th SVM Inter College

2008-2010

Uttar Pradesh Board of Higher Education

Secured 78.20% marks in 12th standard.

10th SVM Inter College

2008

Uttar Pradesh Board of Secondary Education

Secured 64.50% marks in 10th standard.

EXTRA CURRICULAR ACTIVITIES

1. Member of Society of Information Technology, IEST, Shibpur
2. Swimming