

# Fama Jallow

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## Education

|   |             |
|---|-------------|
| BSc in Aeronautical Engineering, Nanjing University of Aeronautics and Astronautics           | 2018 – 2022 |
| Certification in Drone and Data, Virginia Tech and African Drone and Data Academy             | 2021 – 2022 |
| Diploma in Chinese language (Honours)   | 2017 – 2018 |
| High School Diploma in Science, Gambia Methodist Academy<br>(Best Graduating Science Student) | 2013 – 2016 |

## Research Experience

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|--|------|
| Undergraduate Research Experience<br>Autonomous UAV preliminary design for flood mitigation in Malawi<br>Advisor: Alexander Mtambo               | 2022 |
| Undergraduate Research Experience<br>Multipurpose Fixed Wing UAV with turboprop engine design<br>Supervisor: Dr. Dmytro Tiniakov                 | 2022 |
| Undergraduate Research Experience<br>Application of satellite data for coastal monitoring in The Gambia<br>Advisor: Alhagie Manjang              | 2021 |
| Undergraduate Research Experience<br>Contributed to application of drone technology project in Nanyang village China<br>Supervisor: Donglan Zhan | 2019 |

## Seminars & Conferences

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|---|------|
| African Union Global Environment Monitoring Security (GEMS) Conference        | 2021 |
| 1st IAA African Symposium on Small Satellites                                 | 2021 |
| 7th Annual China Aeronautical Materials and Process Conference Beijing, China | 2019 |
| Africa Tech Summit Shanghai, China  | 2019 |

## Awards & Honors

|   |      |
|---|------|
| Virginia Tech and African Drone and Data Academy Scholarship (Full funding) | 2022 |
| Gambia's First Female Drone Pilot   | 2021 |

|   |      |
|---|------|
| African Union Global Environment Monitoring and Security Conference Scholarship | 2021 |
| Top 6 finalist for The Commonwealth Hack the Planet International Competition   | 2021 |
| Young African Leadership Fellowship (YALI) for Africa's Next Emerging Leaders   | 2021 |
| Social Shifters Global Innovation Challenge Finalist                            | 2021 |
| Nanjing University of Aeronautics and Astronautic Role Model Award              | 2019 |
| The First Nanjing International Innovation and Startup Competition Finalist     | 2019 |
| Chinese Government Undergraduate Scholarship (Full Funding)                     | 2017 |
| Gambia Outstanding Student Award  | 2016 |
| Gambia Methodist Academy Overall Best Graduating Science Student                | 2016 |

## Professional Service & Leadership

### *Founder*

|  |                |
|--|----------------|
| Unitalks   | 2019 – Present |
| An initiative that promote idea exchange and inspires the next generation of young leaders |                |
| Afrobot  | 2019 – Present |
| Initiative to provide research opportunities and resources for African Students in China   |                |

### *Membership*

|  |                |
|--|----------------|
| Black In AI  | 2021 – Present |
| National Point of Contact for The Gambia – Space Generation Advisory Council | 2021 – Present |
| Association for Unmanned Vehicle System International                        | 2021 – Present |
| Women Ambassador Forum   | 2020 – Present |
| Association of Gambian students in China                                     | 2017 – Present |

### *Volunteering*

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|--|----------------|
| Space Generation Advisory Council Space Technology for earth application project | 2021 – Present |
| HeForShe (The Gambia) Women's rights advocacy group                              | 2021 – Present |
| YMCA Gambia-Robotic Classes for kids   | 2020 – Present |
| Science Program Coordinator – EFAF Educating For Africa's Future (The Gambia)    | 2016 – Present |

## Teaching

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|--|----------------|
| Undergraduate Teaching Assistant, Nanjing University of Aeronautics and Astronautics<br>Aerodynamic                            | 2020 – Present |
| Undergraduate Teaching Assistant, Nanjing University of Aeronautics and Astronautics<br>Academic Writing for Research Purposes | 2019 – 2021    |
| Programming Tutor<br>Educating For Africa's Future (EFAF)  | 2016 – Present |

## Communication Skills

Human Languages: Wolof(Native), Mandarin(Fluent), English(Fluent)  
Technologies: AutoCAD, Python, MatLab, QGIS, Git, Fusion 360, C, R