

# Prince Steven Annor

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## EDUCATION

**New York University Abu Dhabi**, Abu Dhabi, UAE  
Bachelor of Science, Computer Engineering, GPA 3.64/4.0

Aug 2016 - May 2020

## RESEARCH EXPERIENCE

**NYUAD, Zayed University and Khalifa University Robotics Collaboration**, Abu Dhabi, UAE  
*Researcher*

February 2020-Present

- Develop a calm computing system that uses SLAM and geodesic trajectory planning for multi-node data transfer using an autonomous data mule.
- Develop an IoT system that incorporates various sensors and mobile applications for effective control and automation.

**Robotics Laboratory**, Abu Dhabi, UAE

*Researcher*

May 2019-July 2019

- Developed localization of fiducial markers using visual servoing with the Open Manipulator robot and the oCAM.
- Conducted experiments to validate the results from the Computer Vision system using a Vicon system.

**Applied Interactive Multimedia (AIM) Research Group**, Abu Dhabi, UAE

*Researcher*

December 2017-November 2018

- Co-authored IEEE International Symposium on Haptic Audio-Visual Environments and Games 2018 paper, 'The Role of Haptics in Digital Archaeology and Heritage Recording Processes'.
- Developed virtual reality museum exhibition in the Chai3D framework with haptic feedback and automated photogrammetry setup for digitally capturing 3D archeological artifacts.

**Nsesa Foundation**, Accra, Ghana

*Executive - Nsesa Foundation, Project Lead*

September 2017-September 2019

- Co-authored 8th Computer Science Education Research Conference 2019 paper, 'Keep Calm and Code on Your Phone: A Pilot of SuaCode, an Online Smartphone-Based Coding Course'.

## WORK EXPERIENCE

**New York University Abu Dhabi Campus Life**, Abu Dhabi, UAE

*Student Life Facilities Assistant*

November 2016-Present

- Set up, mix live sound, program lighting fixtures, mix visuals for on-campus events of hundreds of attendees.

**Processing Foundation**, New York, USA

*Processing Foundation Fellow*

March 2019-July 2019

- Developed an automated grading system, and launched and administered SuaCode Africa, Africa's first smartphone-based online coding course, to hundreds of students across Africa and the diaspora.

**NYU Steinhardt School of Culture, Education, and Human Development**, New York, USA

*Developer/technology services support*

February 2019-June 2019

- Designed website and assets and provided technology services support.

**Mobile Print Project**, Abu Dhabi, UAE

*Mobile Print Developer and Administrator*

September 2016-May 2019

- Developed cloud printing setup, Linux back-end, mail delivery system, Mobile Print Bot and automatic printer sharing to provide over 500 NYUAD students with smartphone printing capability in Abu Dhabi and Shanghai.

## SKILLS

**Languages:** English, Native Fluency; Twi, Fluent; French, Basic; M.S. Arabic, Basic.

**Soft and Managerial skills:** Intercultural Collaboration, Problem solving, Creativity, Adaptability, Self-motivation, Research, Teamwork, Leadership, Written communication, Project Management, Records and Event management.

**Tools & Technologies:** C, C++, C#, Java, JS, Processing, ROS, Electronics, Assembly, Computer Vision, Video production, Machine Learning, SolidWorks, Illustrator, Web development, Python, MATLAB, Robotics, DMX programming, Embedded systems, Linux Administration, VR, Audio Visual systems, Database systems, Experience with using laser cutter, 3D printer and other fabrication tools, Photography, Photoshop Lightroom, MS Excel, Computer Networking.