

Prince Steven Annor

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EDUCATION

New York University Abu Dhabi, Abu Dhabi, UAE
Bachelor of Science, Computer Engineering, 3.66/4.0

Aug 2016 - May 2020

RESEARCH EXPERIENCE

Robotics and Intelligent Systems Control, Abu Dhabi, UAE
Researcher

February 2020-Present

- Designed and co-developed an IoT system that incorporates various sensors, communication protocols, and mobile applications with Google Assistant for effective control and automation in calm computing applications.
- Co-developed a calm computing system that uses SLAM and geodesic trajectory planning for multi-node data transfer using an autonomous data mule in ROS (Python and C++).

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 an automated photogrammetry setup for digitally capturing 3D archeological artifacts using the Raspberry PI Zero.

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

Processing Foundation, New York, USA
Processing Foundation Fellow

March 2019-July 2019

- Developed an automated grading system in Python and Processing on a Linux server
- 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 and automatic printer sharing to provide over 500 NYUAD students with smartphone printing capability in Abu Dhabi and Shanghai.
- Developed Python Linux back-end, mail delivery system, Mobile Print Bot and trained two interns to manage the system.

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, Verilog, VHDL, Raspberry PI, JS, Processing, ROS, Electronics, Assembly, Computer Vision, Machine Learning, SolidWorks, Illustrator, Web development, Python, MATLAB, Robotics, 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.