Jawanza Stuart

Newark, NJ — P: (862) 240-4927 — E: jys3607@g.rit.edu

EDUCATION

- **Rochester Institute of Technology**   Rochester, NY
  Bachelor of Science in Computer Engineering — Expected Graduation: 2028

TECHNICAL SKILLS

Areas of Knowledge: Digital Logic Design, Debugging, Operating Systems, Micro-controllers, Agile/Scrum Development, Analog/Digital Circuit Analysis, Digital Electronics, Transistors, Leadership, RTL Design & Implementation, FPGA, Low Level Firmware Development, Computer Architecture

Software: Model-Sim, Visual Studio Code, Version Control/Git, Keil Vision, Fusion 360, Altium, Vivado, Linux

Programming Languages: Java, Python, VHDL, ARM Cortex-M Assembly, C, JavaScript, C++

EXPERIENCE

- **Resident Advisor – Rochester Institute of Technology**
  Mentoring and supporting 30+ residents   Aug 2024 – Present
  - Organized community events to foster engagement and teamwork
  - Ensured adherence to policies while managing administrative tasks

PROJECTS

- **SWEN-261 Intro to Software Engineering — Term Project "U-Fund"** Aug 2024 – Dec 2024
  - Created a full stack web application utilizing Java, Typescript, and Angular
  - Worked in a team for a semester following Agile Scrum software development methodologies

- **CMPE-260 Digital System Design 2 — 32 Bit MIPS Processor**   Aug 2025 – Present
  - Designed and implemented a pipelined MIPS processor utilizing VHDL, Vivado, and an FPGA board

- **Personal Website — Jawanza.com**   July 2025 – Present
  - Utilized HTML, CSS, and JavaScript to create a personal website to display projects and information

- **Self-Balancing Robot (Personal Project)**   May 2025 – Present
  - Built a two-wheeled robot using STM32 and MPU-6050 gyro/accelerometer
  - Implemented PID control loop for real-time balancing
  - *Skills:* Real-Time Systems, Control Theory, Motor Driver Integration

EXTRACURRICULAR ACTIVITIES

Men Of Color Alliance

  - **Event Coordinator** (2025-2026): Lead and create events to foster community, promote cultural awareness, and provide professional development opportunities for members
  - **Academic Chair** (2024-2025): Supported academic initiatives and provided resources for member success