Cleveland, OH
linkedin.com/in/griffin-rabins

Griffin Rabins

griffin.rabins@gmail.com
griffinrabins.com

Education

Cleveland, OH **Case Western Reserve University** **Fall 2023 – Present**

- B.S.E. in Computer Engineering. Expected Graduation: May 2027
- Coursework: Computer Logic Design; Programming Languages; Circuits and Instruments; Calculus III.

Employment

Product Assurance Specialist Intern **Electronic Theatre Controls** **Summer 2025 - Present**

Madison, WI

- Work to ensure the compatibility of new products with existing entertainment and architectural control infrastructure
- Develop scripts and automation workflows to increase productivity and testing capabilities on Mac and Windows

Retail Sales Associate **Best Buy** **Spring 2023 - Summer 2025**

Burlington, MA

- Assisted customers with a friendly, welcoming, engaging attitude and product knowledge.
- Assisted the training of new hires in internal systems operations.

Technical Experience

Leadership

Technical Director *CWRU Footlighters* (Spring 2025 - Present).

Manage safety, train 113+ students, present technical feasibility to non-technical staff, and oversee a $26k+ budget for main stage productions.

Lighting Designer, Technical Director *CWRU Footlighters* (Fall 2023 - Spring 2025).

Collaborate with multidisciplinary production teams to design, program, and hang lighting plots, manage a local network, and troubleshoot then repair electrical/mechanical issues for main stage productions each semester.

NASA L'SPACE (Fall 2023).

Computer Hardware Engineer Lead for NASA's L'Space Mission Concept Academy. Worked with 10 students to develop a mission plan and technical overview for a scientific orbiter, resulting in a 114-page Preliminary Design Review and presentation.

Student Technical Director *Cambridge School of Weston* (Fall 2019 - Spring 2023).

Independently designed, hung, cabled, and programmed lights for 3-5 shows per year. Trained and supervised students in technical tasks.

Projects

Theater Clock (Spring 2024).

Designed and built a 6-foot clock with stepper motor-driven hands and individually controllable lights, managed by custom Arduino code and controlled via DMX512, a serial protocol.

Additional Experience and Awards

- **FAA Private Pilot:** Licensed federal pilot.
- **Second Place, MaxLinear Arduino Workshop:** Awarded 2nd place in a hackathon partner event led by MaxLinear.
- **Best Design Award:** Awarded University Media Board's Best Design Award for excellence in theatrical lighting design and engineering with clock project.

Languages and Technologies

- Java; MATLAB; C++; Python; PowerShell; SystemVerilog;
- IntelliJ IDEA; Mac OS X; iOS; Windows/PC; Android; SOLIDWORKS; Siemens NX; ModelSim; NI Multisim; Microsoft Excel; ETC EOS; ETC Concert; Mosaic