

SAMUEL GRAYSON

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EDUCATION

NORTHWESTERN UNIVERSITY
Bachelor of Science: Computer Engineering
Dean's List High Honors Fall 2024

Evanston, IL
Candidate, Jun 2027
GPA: 4.00/4.00

GRINNELL COLLEGE
Founder's Scholarship; Dean's List Fall 2023, Spring 2024

Grinnell, IA
Aug 2023 - May 2024
GPA: 4.00/4.00

SKILLS

Programming Languages: C, C++, Java, Python, Basic, Scamper (Scheme), Racket

Web Development: HTML, CSS, Bootstrap

Software: Autodesk Inventor, CAD, Altium, KiCad EDA, EasyEDA, Microsoft Office 365, Adobe Creative Suite, Waveforms

Operating Systems: IBM Z/OS, IBM Z/VSE, IBM VSE/ESA, IBM Z/VM, Linux, Microsoft Windows, MacOS

Theatre: ETC Eos, QLab, MagicQ, Dante

Languages: English, Russian

Other: Arduino, ESXi, Github

EXPERIENCE

THE ELECTRIC TUBE COMPANY
Founder

Bexley, OH
Oct 2020 - Current

- Imported vintage vacuum and nixie tube equipment from Europe and Central Asia for resale in America (eCommerce)
- Developed strategic business partnerships with 10+ Russian speaking suppliers overseas
- Designed custom PCBs for a computer-controlled nixie tube display

BEXLEY CITY SCHOOLS
Lighting and Sound Technician

Bexley, OH
Apr 2021 - Jun 2023

- Managed all lighting, sound, and video systems in Bexley City School's 3 theatrical venues
- Collaborated with vendors to organize over \$100,000 in capital improvements in lighting and sound equipment
- Oversaw and taught a 10-person team to setup, run, and strike equipment for events

PROJECTS

VANGUARD VALVES

Jan 2024 - Current

- Secured \$1500 in seed funding to develop a small form factor microprocessor-controlled leak-sensing toilet shutoff valve
- Established business relations directly with factories in China to source key components from

UNCONFLICT GRINNELL

Oct 2023 - Dec 2023

- Worked to design a Python web app that identified class combinations for Grinnell students
- Implemented using a recursive backtracking approach along with a visually appealing user interface written in HTML/CSS

SUMMER EXPERIENCE

UNITED AIRLINES
Summer Premium Solutions Intern

Chicago, IL
Incoming - Summer 2025

CRITICAL LANGUAGE SCHOLARSHIP (CLS)
Scholar

Bishkek, Kyrgyzstan
Jun 2024 - Aug 2024

- Received a fully funded U.S. Department of State ECA scholarship to study Russian language abroad in Kyrgyzstan

ADDITIONAL

Home Lab: Operate a variety of servers and networking equipment as well as an IBM MP3000 mainframe

Aviation: Knowledge of Global Distribution Systems, fare pricing, ticketing rules, and complex round-the-world itineraries