

# SAMUEL GRAYSON

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## EDUCATION

### NORTHWESTERN UNIVERSITY

*Bachelor of Science: Computer Engineering*

Current Coursework: Intro to Electrical Engineering, Intro to Computer Engineering, Design Thinking and Communication

Evanston, IL

Jun 2027

### GRINNELL COLLEGE

Cumulative GPA: 4.00; Founder's Scholarship; Dean's List Fall 2023, Spring 2024

Relevant Coursework: Imperative Programming, Functional Problem Solving, Physics I & II, Russian II

Grinnell, IA

Aug 2023 - May 2024

### BEXLEY HIGH SCHOOL

Cumulative GPA: 4.63; Salutatorian; Summa Cum Laude; Diploma with honors; Faculty Award

Relevant Coursework: Multivariable Calculus III, AP Chemistry, AP Physics, AP Computer Science, AP Statistics

Organizations: Investment Club President, Robotics Team, Bexley Theatre Arts

Bexley, OH

Aug 2019 - May 2023

## WORK EXPERIENCE

### THE ELECTRIC TUBE COMPANY

*Founder*

- 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, OH

Oct 2020 – Current

### BEXLEY CITY SCHOOLS

*Lighting and Sound Technician*

- Managed all technical aspects of Bexley City School's 3 theatrical venues
- Coordinated over \$100,000 in capital improvements in lighting and sound equipment
- Oversaw and taught a team to setup, run, and strike equipment for events

Bexley, OH

Apr 2021 – Jun 2023

## UNIVERSITY PROJECTS

### VANGUARD VALVES

- Secured \$1500 in seed funding from the Grinnell College Catalyst Fund to develop an innovative leak stopping valve
- Created a small form factor Arduino controlled leak-sensing shutoff valve
- Established business relations directly with factories in China

Spring 2024

### UNCONFLICT GRINNELL

- Worked with two students to design a Python web app capable of finding possible class combinations for Grinnell students
- Operates using a recursive backtracking approach and includes a visually appealing user interface written in HTML/CSS
- Received over 3,500 hits within the first 72 hours of launch

Fall 2023

## SCHOLARSHIPS

### CRITICAL LANGUAGE SCHOLARSHIP (CLS)

*Finalist*

- Received a fully funded U.S. Department of State ECA scholarship to study Russian language abroad in Kyrgyzstan
- Previously selected for the National Security Language Initiative for Youth program to study Russian (2021, 2022)

Bishkek, Kyrgyzstan

Summer 2024

## ADDITIONAL

**Technical Skills:** Familiar with C, Java, JavaScript, Python, Basic, Scamper (Scheme), GitHub, Autodesk Inventor, CAD, KiCad EDA, EasyEDA, ETC Eos, QLab, Microsoft Office Suite, Excel, Adobe Creative Suite, IBM Z/OS, IBM Z/VSE, IBM VSE/ESA, IBM Z/VM, Linux, ESXi, Prezi, Canva

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

**Aviation:** Experience leveraging international airline alliances to ticket complex itineraries, including round-the-world tickets. Knowledge of Global Distribution Systems (GDS) and how airline ticketing works including fare rules and ticket pricing

**Certifications & Training:** IBM Z Xplore

**Languages:** English (native), Russian (intermediate)