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# Maximilian V. Vidavsky

## Software Engineer

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**Objective:** Highly-motivated recent graduate seeking a Software Engineer position.

### EDUCATION

#### The Pennsylvania State University

Bachelor of Science in Computer Science, Minor in Economics,

Cumulative GPA: 3.49/4.00,

Dean's List Fall 2022, Spring 2023, Fall 2023, Spring 2024, and Fall 2024

Relevant Courses: Data Structures, Object Oriented Programming, Systems Programming, Algorithms.

University Park, PA  
Aug 2021 — May 2025

### CAREER EXPERIENCE

#### MITACS Globalink Research Intern, Dalhousie University

Jun 2024 — Aug 2024

- Created world's largest diamond dissolution experiment database with 300+ experiments.
- Achieved savings of \$500,000 per annum for 100+ global database users.
- Supervised team of 4 PhD students and De Beers researchers to collect and tag experiment data.

#### Student Orientation Leader, Penn State Global

Mar 2023 — Aug 2023

- Planned and hosted four days of orientation sessions for 100+ incoming undergraduates.
- Hosted several Zoom info sessions for 200+ prospective students.
- Personally mentored 12 incoming students, helping to alleviate homesickness and easing integration.

### SKILLS

#### Programming Languages:

Python, C, Assembly, Verilog, Java, SQL, Bash, JavaScript

#### Technical Merits:

Debugging, Agile Development, System Development, Documentation, Backend Development

#### Soft Skills:

Teamwork, Leadership, Communication

#### Languages Spoken:

English, Russian

#### Tools:

Grafana, PostgreSQL, Docker, Django, Git, Make, Microsoft Office, Adobe Creative Cloud

#### Operating Systems:

Linux, Windows, Mac OS

### VOLUNTEER EXPERIENCE AND PROJECTS

#### Trackdown PSU (Escape Room)

May 2024 — May 2025

- Maintaining social media presence on Instagram with 100+ followers, helping to drive bookings.
- Building custom quests by utilizing Twilio, WordPress, and GitHub Pages to lower hosting costs by 95%.
- Using OpenWRT routers to enable seamless WiFi coverage over the entire campus.

#### Uniblend (Server Host)

Aug 2023 — May 2025

- Writing custom Python and Bash scripts to automate backups and purge up to 1GB of temporary data daily.
- Configuring iptables firewall and Cloudflare DNS to eliminate 30% of unwanted bot requests.
- Deploying Debian Linux VPS on Oracle Cloud using Docker and Pterodactyl, leading to 45% lower ping.

#### America's Secret Pager Giant (Article)

Apr 2022 — May 2022

- Over 6000 page reads on article.
- Winner of "2022 HackerNoon Contributor of The Year - Data Science" award.
- Resulted in 7 new open source data sets being publicly made available on GitHub.

### EXTRACURRICULAR ACTIVITIES

#### Slavic Club @ Penn State (Russian-speaking club); Founder, President

Mar 2022 — May 2025

- Leading bi-weekly club meetings for 60+ members, with over 75% in regular attendance.
- Academically mentoring five undergraduate underclassmen and assisting with alleviating culture shock.

### AWARDS & HONORS

2024 MITACS Globalink Research Award;

2023 AWS Certified Cloud Practitioner;

2022 2022 HackerNoon Contributor of The Year - Data Science;