# Maximilian V. Vidavsky
## Software Engineer

(814)-357-1531
max@evilsaloon.com

linkedin.com/in/mvid
evilsaloon.com

**Objective:** Highly-motivated recent graduate seeking a Quantitative Software Engineer position at Chronometer Holdings.

## EDUCATION

**The Pennsylvania State University** — **University Park, PA**
Bachelor of Science in Computer Science, Minor in Economics, — **Aug 2021 — May 2025**
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.

## 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

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|---|---|
| **Programming Languages:** | Python, C, Assembly, Verilog, Java, SQL, Bash, JavaScript, PowerShell |
| **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**
- Maintained social media presence on Instagram with 100+ followers, helping to drive bookings.
- Built custom quests by utilizing Twilio, WordPress, and GitHub Pages to lower hosting costs by 95%.
- Used OpenWRT routers to enable seamless WiFi coverage over the entire campus.

**Uniblend (Server Host)** — **Aug 2023 — May 2025**
- Wrote custom Python and Bash scripts to automate backups and purge up to 1GB of temporary data daily.
- Configured iptables firewall and Cloudflare DNS to eliminate 30% of unwanted bot requests.
- Deployed 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;