

# Joshua S. Brown

Josh.brown.3155@gmail.com / 610-715-0961

<b>Education</b>	<b>Bachelor of Science Computer Science</b>	<b>May 2025</b>
	Rose-Hulman Institute of Technology, Terre Haute, IN Minor: Cybersecurity	<b>Major GPA: 3.8</b>
	<i>Awards:</i> Dean's List, The Graham Barrett Computer Science Prize, Technology Service Award	
	<b>Summer Study Abroad Program</b>	<b>Summer 2023</b>
	Institute for American Universities, Barcelona, Spain	<b>GPA: 4.0</b>
	<i>Skills Developed:</i> Communication, Collaboration, Global Perspectives, Cultural Awareness	
<b>Skills</b>	Python, HTML, CSS, JavaScript, Java, C, Apache Kafka, Scheme, SQL, SysML, Solvers, OR-Tools, Git, GitHub, Jira, Confluence, Agile Development, Scrum Strong Communication, Team Collaboration, Technical Troubleshooting	
<b>Experiences</b>	<b>KBR, Inc, King of Prussia, PA</b>	<b>Summer 2024</b>
	<i>Computer Science Intern</i>	
	<ul style="list-style-type: none"><li>Integrated solver software with Cameo Systems Modeler to optimize system requirements for a variety of use cases</li><li>Led 10 meetings and presentations to fellow interns, managers, and high-level executives</li><li>Utilized linear and constraint programming solvers to optimize complex multivariable systems</li></ul>	
	<b>Relay Network, Wayne, PA</b>	<b>Summer 2022</b>
	<i>Software Engineering Intern</i>	
	<ul style="list-style-type: none"><li>Led Agile Development practices with teammates, held stand-ups and grooming sessions</li><li>Managed the Scrum process and created documentation utilizing Jira and Confluence</li><li>Developed a program to compute customer metrics using Java and Apache Kafka</li><li>Reported metrics in real-time, improving the current reporting of once per day</li></ul>	
	<b>Rose-Hulman Sports &amp; Recreation Center, Terre Haute, IN</b>	<b>August 2024 - Present</b>
	<i>Supervisor</i>	
	<ul style="list-style-type: none"><li>Supervised daily operations of the sports and recreation center, ensuring safety protocols and policies were adhered to by staff and patrons</li><li>Acted as the primary point of contact for customer inquiries and concerns, enhancing customer satisfaction through prompt and effective communication</li><li>Proactively managed last-minute staffing gaps, ensuring consistent coverage and uninterrupted facility operations during peak hours</li></ul>	
	<b>Rose-Hulman Institute of Technology, Terre Haute, IN</b>	<b>August 2024 - Present</b>
	<i>Software Requirements Engineering Teaching Assistant</i>	
	<ul style="list-style-type: none"><li>Acted as the Client for a large software project, fielding emails from students for requirements gathering</li><li>Graded and provided feedback on student exams and assignments</li></ul>	
<b>Projects</b>	<b>SQL TV Database Creation and Management</b>	<b>2023</b>
	<ul style="list-style-type: none"><li>Led the creation and management of a dynamic SQL database for television content</li><li>Developed skills in data architecture, query optimization, and seamless database administration</li></ul>	
	<b>Genetic Algorithm Research Project</b>	<b>2022</b>
	<ul style="list-style-type: none"><li>Researched the concepts behind evolution and learning in the context of a genetic algorithm</li><li>Constructed a fully functional GUI to create and evolve populations of chromosomes</li><li>Presented the complex findings to both students and faculty in a clear and engaging manner</li></ul>	
<b>Other Projects</b>	Scheme Interpreter, Java Linter, Workout Tracker Web App with Firebase, Accumulator Multicycle Processor, Java Graph Surfing Algorithm, Java Editor Trees Algorithm	
<b>Volunteering</b>	Provide technical consulting and assistance to several animal hospitals and shelters around West Chester, PA	