

Laura Gautier

Secure Computing
Senior at Virginia Tech

I am a computer scientist with a strong focus on cybersecurity and digital literacy. I have the ability to plan, direct, or implement software projects, as well as develop ideas around human interaction, digital security, and accessibility.

✉ laurarose@vt.edu

Skills

	3D Modeling	<div><div></div><div></div><div></div></div>
	Collaborative Storytelling	<div><div></div><div></div><div></div></div>
	Engineering Design	<div><div></div><div></div><div></div></div>
	Research	<div><div></div><div></div><div></div></div>
	Team Management	<div><div></div><div></div><div></div></div>
	Technical Writing	<div><div></div><div></div><div></div></div>
	Web Development	<div><div></div><div></div><div></div></div>

Programming Languages

Java	<div><div></div><div></div><div></div></div>
Python	<div><div></div><div></div><div></div></div>
JavaScript	<div><div></div><div></div><div></div></div>
C	<div><div></div><div></div><div></div></div>
C#	<div><div></div><div></div><div></div></div>

Education

2019 – Present | Virginia Tech,
College of Engineering
CS Secure Computing
Graduating December 2023
3.17/4.0 GPA

2017 – 2019 | Southwest
Virginia Governor's School
STEM classes and yearly
research projects

Projects

2020 – 2022 | LGBTQ+ Housing Web App

- Developed a MEAN-stack, LGBTQ-focused housing web application
- Used Scrum Agile framework and Material components

2021 | Security Wargame Development

- Developed a digital wargame using red-teaming skills
- Worked in a team of nine
- Researched, wrote, and presented multidimensional security scenarios

2021 | Digital Security Planner

- Lead developer on frontend team
- Worked with full development team of eighteen
- Used Vue.js, HTML, and CSS

2021 | Co-Curator for Virtual Exhibition on Service-Learning

- Represented my peers for a digital exhibition through Virginia Tech's University Libraries

2020 | Code for Nepal Service-Learning

- Developed written and video documentation and a prototype website for a non-profit organization, Code for Nepal

Work Experience

2019 – 2022 | Student Wage Worker, LGBTQ+ Resource Center at Virginia Tech

- Created infographics of historical LGBTQ figures
- Developed a housing website for LGBTQ-friendly leases and subleases

2019 – Present | Security Researcher, Virginia Tech IT Security Office

- Deliver weekly reports analyzing web security and activity
- Develop cybersecurity-related tools using Python and Bash scripting
- Develop text- and video-based security documentation