

# Paul Ramberg

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## EDUCATION & COURSEWORK

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### *Bachelor of Science, Computer Science - Truman State University*

- Minor in Design, GPA - 3.75

*exp. graduation May 2022*

### *Important Coursework*

- Data Structures and Algorithms
- Software Engineering
- Object-Oriented Programming and Design (Java, Development Process)
- Database Systems
- Systems Programming (C, Shell Programming)
- Design Software and Process (HTML, CSS, UI/UX Design)
- Computing Structures and Models of Computation
- Programming Languages

## TECHNICAL SKILLS

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- *Languages:* C++, C, Java, HTML, CSS, Python, JavaScript, MySQL
- *Software:* Git, Linux, Unix, Bash, Adobe Suite, Eclipse

## PROJECTS

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### *Gwent Card Exporter*

- Developed a full featured Python application with a complete UI using Tkinter
- Updated UI, UX steps and added features based on user feedback and issues
- Learned how to interact with, extract and decrunch Unity game files
- Learned how to parse and process both xml and json data formats in order to generate images

### *AutoChef - Made for PickHacks 2019*

- Worked with a team of 4 to implement a unique machine-learning algorithm and user-rating system to learn how to generate and then improve recipes
- Wrote Python and JavaScript web server for user input with a HTML and CSS frontend

### *FIRST Robotics Club Founder*

- Founded a high school robotics team in an area where no similar opportunities were available
- Learned and taught problem solving for both programming and building competitive robots
- Succeeded in getting both engineering and computer science courses added as electives for local high-school students