

# Christoph Huy

b. 07.10.1999

📍 Berlin, DE

✉ christoph.huy@campus.tu-berlin.de

☎ +49 176 30573722



## Education

### Technical University of Berlin

*B.Sc. in Computer Science*

*September 2018 – October 2024*

- **Courses:** Software Architecture, Projects in various fields (e.g., ML & SQE), Security Labs

### Technical University of Berlin

*M.Sc. in Computer Science*

*October 2024 – Ongoing*

- **Planned focus areas:** Software Design & Security

## Experience

### Internship

*Berlin, DE August 2017*

*Beuth University of Applied Sciences Berlin*

- Supported projects in 3D landscape visualization and virtual reality, particularly focusing on the use of real-time game engines
- Developed program modules for potential applications in future projects, such as virtual tours of archaeological sites

### Mandatory Programming Internship in Algorithms and Data Structures

*Berlin, DE April 2020 -*

*Technical University of Berlin*

*September 2020*

- Developed a TSP solver for robot route planning
- Responsible for RESTful backend architecture and robot communication

## Publications

### Optimization of Software and Security Tests through Generative AI: Deployment of GAN and Transformer Models

*October 2024*

*Bachelor's Thesis*

Available upon request

## Projects

### Model Transformation of BPMN Diagrams into Gherkin Test Scenarios

*Project at TU Berlin in*

- Transformation of BPMN diagrams into Gherkin test scenarios for test automation

*collaboration with*

*Fraunhofer FOKUS*

- Responsible for the system architecture and development of the transformation algorithm

## Technologies

**Programming Languages:** C, Python, Java

**Modeling Languages:** UML, BPMN

**Frameworks:** FastAPI for interface creation, Camunda Platform for modeling BPMN workflows

**Tools:** JetBrains IDEs, VS Code, Docker