

## Senior Researcher

### Responsibilities

- Doing research in the field of white-box cryptography and program code transformation technologies
- Designing white-box cryptography algorithms, methods, and protocols used for software and data protection
- Creating formal requirements and design documentation
- Implementing and documenting prototypes
- Achieving deadlines and project objectives

### Basic Requirements

- Mathematical skills
  - Abstract algebra: groups, rings, fields
  - Number theory, finite fields
  - Probability theory
  - Finite automata and regular languages
  - Algorithm complexity (time and space)
  - Cryptography
- Programming skills
  - Algorithms and data structures
  - Binaries and CPU
  - Formal specifications
- Other skills
  - Ability to solve non-standard logical tasks
  - Academic research experience
  - Interest in white-box cryptography
  - Good English communication and writing skills

### Additional Requirements (will be considered as an advantage)

- PhD, PhD student, or MSc in computer science, mathematics, or a related field
- Good programming skills
- At least two years working in the field of mathematics or software development
- Ability to work independently and take responsibility
- Ability to successfully work with associates within an international software development team

### Additional Notes

- Working time: full-time work
- Start of work: ASAP

### We Offer

- Interesting and challenging work in a growing, stable, and reliable company
- Experience in international projects for first-rate global companies

- Projects that deploy cutting-edge security technologies
- Advantage of work in a great work environment with a dynamic team
- Competitive salary, attractive compensation package, and benefits

## Contact Information

Please send your résumé in English to the following e-mail address:

[hr@whitecryption.com](mailto:hr@whitecryption.com)

## About whiteCryption

whiteCryption is a growing and innovative company that develops superior white-box cryptography and security solutions for protecting algorithms and digital information in untrusted computing environments, such as consumer PCs, mobile devices, connected TVs, and embedded systems. With its unique technology, whiteCryption is one of world's leading providers of white-box cryptography solutions.