

# Bradley LaVigne

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🐙 [github.com/blavigne13](https://github.com/blavigne13)

## Qualifications

- Summary
- Experienced in object-oriented programming and design, primarily using Java
  - Understanding of functional programming concepts and applications
  - Knowledge of algorithms and data structures (complexity analysis, etc)
  - Familiar with relational databases and query/model frameworks
  - Some experience with 3D graphics and underlying mathematics
- Technologies
- Java, Scala, C, C++, C#, Javascript
  - MySQL, Microsoft SQL, LINQ, Hibernate ORM
  - OpenGL, WebGL, JOGL
  - L<sup>A</sup>T<sub>E</sub>X, JSON, XML, XAML
  - Eclipse, Visual Studio, Git, Ant, Maven, Linux
- Education
- University of Wisconsin Oshkosh, June 2016.*
- |                                 |   |
|---------------------------------|---|
| <b>B.S. in Computer Science</b> | <b>B.A. in International Studies</b>      |
| ○ ABET accredited CS curriculum | ○ Global and National Security emphasis   |
| ○ GPA: 3.60 / 4.00              | ○ Sigma Iota Rho (national honor society) |

## Experience

- Employment
- Computer Science Tutor**, *University of Wisconsin, Oshkosh, WI.*
- Provided tutoring for introductory and intermediate level Computer Science courses
  - Courses tutored: Intro to Computer Science, Object-Oriented Programming & Design I & II, Architecture & Assembly Language, Data Structures, Discrete Math
- Research Assistant**, *University of Wisconsin, Oshkosh, WI.*
- Developed prototype visualizations using OpenDSA for lambda calculus module of an online programming languages textbook
- Open Source
- OpenMRS**, *Electronic medical records platform.*
- Worked on JIRA bug reports and configuring virtual machines
- Code Maid**, *Visual Studio extension.*
- Improved regular expression used for auto-formatting C# comments
- Military
- Satellite Communications Specialist (31S)**, *United States Army.*
- Operated and maintained satellite communications systems for the Joint Chiefs of Staff contingency terminal
  - Designed and implemented enhanced maintenance procedures in order to ensure mission readiness of aging equipment
  - Honorably discharged