Bradley LaVigne

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Education

June 2016 — **B.S. Computer Science**, *University of Wisconsin Oshkosh*.
- Computer Science emphasis
- ABET accredited

June 2016 — **B.A. International Studies**, *University of Wisconsin Oshkosh*.
- Global and National Security emphasis

Skills

Languages
- Programming experience primarily in Java
- Moderately experienced with C, C#, JavaScript, Scala
- Some experience with C++, Python, CofeeScript, Scheme, ML, OpenGL

Databases
- Understanding of relational algebra and database normalization
- Familiar with MySQL and MS SQL

Tools
- Eclipse, Visual Studio, Git, Ant, Maven, VMware, VirtualBox, Linux

Projects and Open Source Contributions

OpenMRS, *Electronic medical records platform*.
- Completed a practicum project in spring 2016 focused on OpenMRS—specifically targeting familiarization with methods of communication, version control, frameworks, and other tools necessitated by large projects and distributed teams.
- Contributed bug fixes related to Hibernate ORM queries (currently in code review)

OpenDSA, *Algorithm and data structure visualization*.
- Created visualizations to demonstrate dynamic programming concepts using OpenDSA API to generate slide shows based upon user input
- Developed prototype visualizations for lambda calculus module of an online programming languages textbook as a research assistant

Awards and Recognition

- *Cum laude* graduation honors — *GPA: 3.60/4.00*
- UW Oshkosh Honors Program
- Scored in 97$^{\text{th}}$ percentile of graduating CS majors on ETS Major Field Test
- Sigma Iota Rho — *National honor society for international studies*

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▬▬▬ Work History

Sep 2014–May 2016 **Computer Science Tutor**, *University of Wisconsin*, Oshkosh, WI.
- Provided tutoring for introductory and intermediate level Computer Science courses
- Courses tutored: Introduction to Computer Science and Programming, Object-Oriented Design and Programming I & II, Computer Architecture and Assembly Language, Data Structures, Discrete Math

Jan 2015–May 2015 **Research Assistant**, *University of Wisconsin*, Oshkosh, WI.
- Developed prototype visualizations for lambda calculus module of an online programming languages textbook

Jan 2005–Nov 2010 **Telecommunications Specialist**, *Tekmark Global (Verizon)*, Arlington, VA.
- Performed pre-service testing of long-haul network infrastructure
- Trained new hires, and produced training materials and job aids

Nov 2001–Sep 2002 **Equipment Installer**, *DirecTV*, Escanaba, MI.
- Installed satellite dishes, cable runs, and receivers per customer requirements

Jun 2001–Sep 2001 **Central Office Technician**, *Tek Systems (Sprint)*, Mt. Vernon, OH.
- Coordinated verification of existing circuits prior to infrastructure upgrades
- Prepared and delivered status reports for engineering management

Jul 2000–Mar 2001 **Telecommunications Engineer**, *Global Associates (Qwest)*, Dublin, OH.
- Migrated special services circuits to comply with FCC regulations

Jan 1999–Jul 2000 **Trouble Management Specialist II**, *Winstar Communications*, Herndon, VA.
- Performed troubleshooting of network outages involving voice and data services
- Frequently tasked with resolving highly escalated issues

▬▬▬ Military

Aug 1995–Sep 1998 **Satellite Communications Specialist**, *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