MICHAEL R. LANE

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EDUCATION

- **Portland State University**, Master of Science, Computer Science: AI/ML focus, GPA: 3.60 (Exp: Jun 2017)
- **University of Phoenix**, Master of Science, Computer Information Systems, 2005
- **Illinois Institute of Technology**, Bachelor of Science, Mathematics, 1998

PROFESSIONAL EXPERIENCE

PORTLAND STATE UNIVERSITY, Portland, OR   09/2016 – Present
Teaching Assistant
- Instructed students on Machine Learning topics such as Neural Networks, Bayesian Networks, Reinforcement Learning, Support Vector Machines, Ensemble Learning, Unsupervised Learning, and classifier evaluation
- Provided instructions and guidance to students implementing a term-long project to build a user-level threading library using C and Assembly

CDK GLOBAL, LLC, Portland, OR   06/2016 – 08/2016
Software Engineer Intern
- Developed REST API service using Python, Flask, and Cassandra that supports 40,000 phones making hundreds of thousands of simultaneous connections
- Built system using Machine Learning to allow 3 Raspberry Pi receivers to track the locations of 6 BLE beacons to an accuracy of within 6 meters

ACQUIA, INC, Portland, OR   06/2015 – 06/2016
Support Engineer Intern
- Fixed bugs and improved functionality of a Remote Admin script using PHP, Bash, and Drupal Shell (Drush)
- Created an automated task scheduler using PHP, SQLite, and Drush that reduced time required for manual tasks by 80% and reduced the time spent running a weekly mass update task from 3 hours to 5 minutes

PORTLAND STATE UNIVERSITY, Portland, OR   12/2014 – 06/2016
Technical Course Support Specialist
- Supervised 2 to 3 instructors and 20 to 30 students during CS course labs teaching programming basics, algorithms, data structures, and OOP principles using C++ and Java

APPLE, INC., Portland, OR   08/2014 – 12/2014
Specialist
- Recognized by management for professionalism and composure in high pressure work environment

SMUGMUG, INC., Telecommute   04/2007 – 04/2009
User Experience Designer and Developer/ Customer Support Specialist
- Customized SmugMug sites using for important customers and partners
- Programmed help pages using PHP, HTML and CSS to document and explain site updates for end users

UNITED STATES AIR FORCE   11/2003 – 06/2006
Air Mobility Liaison Officer, Ft. Lewis, WA
- Coordinated major US Air Force airlift operations in support of US Army missions
- Planned and led wartime replacement operations of one 3,000+ soldier brigade with another in Mosul, Iraq
- Developed a plan in Iraq to establish flight operations at a remote air base resulting in a reduction the need for deadly convoys

UNITED STATES AIR FORCE   11/2000 – 10/2003
Air Mobility Liaison Officer, Ft. Lewis, WA
- Planned and executed high priority air-to-air refueling missions worldwide
- Instructed and evaluated KC-135 navigators to ensure they could complete missions safely and effectively
- Flew combat air patrol missions over New York City and Washington DC in the days following the 9/11 attacks
- Conducted nearly 100 air refueling missions over Afghanistan between October 2001 to March 2003
- Executed over 100 air refueling missions over Iraq between March 2003 and May 2003

TECHNICAL EXPERIENCE

Python ▪ PHP ▪ C++ ▪ C ▪ Java ▪ Common Lisp ▪ PostgreSQL ▪ Cassandra ▪ Flask ▪ AWS ▪ Alexa Skills Kit