KYLE NOLAN
SOFTWARE ENGINEER

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 kcnolan13
 207.975.1248

EDUCATION

M.S., Computer Science
GEORGIA INSTITUTE OF TECHNOLOGY (SEP 2017 - DEC 2020)

• GPA: 4.0

B.S., Computer Engineering - *Summa Cum Laude*
UNIVERSITY OF MAINE (SEP 2011 - MAY 2015)

• GPA: 3.981

PROFESSIONAL EXPERIENCE

Lead Software Engineer
THE MITRE CORPORATION (FEBRUARY 2016 - PRESENT)

• Developed and deployed ML/AI-driven Splunk app for DNS threat detection.
• Led R&D and prototyping work to advance state of autonomous DCO.
• Full-stack software engineering, automation, graph-based visualization.
• Worked directly with AF leadership and operational community.

Software Developer
TYLER TECHNOLOGIES (JUNE 2015 - FEBRUARY 2016)

• Built enterprise-level ERP web applications with AngularJS and C# .NET.
• Improved existing legacy code: HTML5, C#, Linq, and TSQL.
• Gained experience writing TSQL views, tables, and stored procedures.

Software Engineering Intern
NOAA HURRICANE HUNTERS (MAY 2014 - AUG 2014)

• Designed and implemented an on-aircraft, georectified data display application.
• Developed in C++, Perl, PHP, JavaScript, HTML, CSS, KML and PostgreSQL.
• Application is now used by NOAA flight directors to inform core mission decisions.
• Outstanding Presentation Award, NOAA Science and Education Symposium.
• Demoed to the National Hurricane Center in Miami, FL.

Independent Game Developer
KYLENOLAN.NET/#/GAMES (JUL 2013 - SEP 2015)

• Coded in C++ and GML. Developed lighting and physics engines from scratch.
• Wrote a clustered, dedicated server in NodeJS to facilitate multiplayer matches.
• Carried two games through the full development and marketing cycle.

IT Auditing Intern
SHESHUNOFF CONSULTING AND SOLUTIONS (AUG 2013 - AUG 2013)

• Presented and justified audit findings during executive meetings.
• Wrote VBScript programs to automate testing processes.

TECHNICAL SKILLS

• Expertise in Splunk, Python, VueJS, Data Analytics, DNS Threat Detection
• Proficient with Keras, Numpy, Pandas, Scipy, Scikit-learn, NodeJS, AngularJS, C/C++, JQuery, KML, Less, Socket.io, OpenLayers.
• Experience using Chef, MySQL, TSQL, PostgreSQL, SQLServer, Linq, Entity Framework, Git, TFS, MongoDB, etc.
• Adept with Windows, MacOS, and Linux operating systems (RHEL, CentOS, Ubuntu, Kali).

GENERAL SKILLS

• Articulate, professional public speaker
• SAT Scores: 720 Reading, 750 Writing, 700 Math
• SAT II Scores: 730 Math, 740 Lit.
• Spanish: Upper Intermediate Proficiency

HONORS AND AWARDS

★ Highest GPA in the 2015 Electrical and Computer Engineering graduating class
★ NOAA Hollings Scholar (2013-2015)
★ Vice President of the Tau Beta Pi Engineering Honor Society (2013-2014)
★ 24-Hour Programming IEEEXtreme Contest Competitor (2013)
★ University of Maine Outstanding Student Merit Award Recipient (2012)