

# Erik T. Keys

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## Computer Skills

**Languages:** C#, C++, Java, HTML/CSS, Python, SQL(Oracle, T-SQL), VB.NET, Visual Basic for Applications (VBA)

**Software:** .NET 4.0+, Eclipse, Entity Framework (6.0), Git, Linux Ubuntu, MS Office, MS Visual Studio, Siemens NXOpen, SQL Server (2008 R2+), Team Foundation Server

## Education

2013	<b>B.S. Computer Science</b> <i>Expected graduation: Dec 2018 (GPA 3.54/4.0)</i>	Old Dominion University Norfolk, VA
2012	<b>Interim Coursework</b>	Strayer University Newport News, VA
2008	<b>A.A.S. Computer Aided Drafting &amp; Design</b>	Thomas Nelson Community College Hampton, VA

## Work Experience

2012- Present	<b>Software Engineer &amp; Database Architect</b> Newport News Shipbuilding -- Newport News, VA
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- Modified existing software to correct errors, allow it to adapt to new hardware, or to improve its performance.
- Analyzed user needs and software requirements to determine feasibility of design within time and cost constraints.
- Diagnosed and troubleshoot user issues and issues during development.
- Developed and direct software system testing and validation procedures, programming, and documentation.
- Designed frameworks to support database integration with existing company tools.
- Ported applications to new platforms.

2008- 2012	<b>Designer</b> Newport News Shipbuilding -- Newport News, VA
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- Developed 3D models by interpreting engineer comments, 2D design schematics, written design requirements, and manufacturing comments.
- Worked with other functional groups to resolve mutual or specific design problems.
- Developed and documented new design and manufacturing techniques that resulted in time- and cost- savings with minimal impact to current product.
- Gathered varying quantities of design data, reviewed for correctness, and then submitted data to downstream customers.