**John Bartos**jbartos7@gmail.com

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**Summary**

A rising software engineer with a strong knowledge of computers at several layers of abstraction, experience developing full-stack applications, and

**Education**

**Rutgers, The State University of New Jersey, School of Engineering, Piscataway, NJ**Bachelor of Science, Electrical and Computer Engineering, May 2014. GPA: 3.068  
  
**Skills**

*Languages:* C#, C, C++, Powershell, Javascript, HTML5, CSS3, Python, SQL *Technologies:*  MongDB, Express, Angular, Node, Bootstrap, Visual Studio, SQLServer, Microsoft.NET, ASP.NET, Windows, Linux  
  
**Work Experience**

**DataOnline LLC** *June 2014-Present*

* ~~Developed several C# applications to enhance our data capture and visualization platform, DataOnline DolV3~~
* ~~Collaborated with company owners and team members to engineer new features for DolV3, including demo programs presented at ITCO 2015~~
* ~~Assisted in hiring and training new employees, teaching them to use our software stack effectively and efficiently~~
* Pioneered work on a new HTML5-based pilot project utilizing the MEAN stack, demonstrating an approximately 400% increase in page load speed over current Silverlight platform
* Constructed several Powershell scripts to expand automation of our software build and deployment process, improving the efficiency and reliability of our DevOps team
* Designed a RESTful token-based authentication microservice in C# ASP.NET, achieving secure login capabilities in approximately 20ms
* Overhauled our mapping application, streamlining the interface in addition to Baidu support for customers in China
* Engineered and documented a WiX installer for deploying ourWindows Services, increasing install speed by

**Rutgers, The State University of New Jersey, Sequence Analyzing and Modeling Lab (SEQAM)** *May 2013-May 2014*

* Excelled in independent work on an indoor drone-control project under Vladimir Pavlovich, professor of computer science
* Constructed a system in which an autonomous quadcopter maneuvers to catch a thrown ball
* Realized the system without the use of expensive motion capture or GPS equipment, relying solely on information provided from a Microsoft Kinect
* Gained valuable experience in autonomous systems, including the construction of PID controllers and creation SLAM algorithms

**Projects**

**Personal Website – johnbartos.io**

* Independently developed a personal website utilizing the MEAN stack
* Researched and utilized current best practices to