

# Benjamin Arvan

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## Objective

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Seeking an entry-level software engineering position.

## Education

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**University of Illinois at Urbana-Champaign**  
*Bachelor of Science in Computer Science*

May 2016  
Cumulative GPA: 3.04/4.00

**Centennial High School**  
Champaign, IL

May 2012

## Experience

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**Dow Chemical Company (through Platform Staffing Group)**

Champaign, IL

*Software Engineering Intern*

May 2015 – Ongoing

- Worked with Dow Software engineers to develop internal applications for Dow Information Research Division.
- Developed application features for Lab Automation applications using the .NET and MVVM-Light frameworks with C#.
- Designed and implemented an XML schema and parser to store application state.
- Assisted in front end development of a web application using Bootstrap.js and Durandal.

**Dow AgroSciences (through Kelly Services)**

Indianapolis, IN

*R&D Summer Intern (Software Engineering)*

May 2014-August 2014

- Collaborated with Software Engineers at Dow AgroSciences to develop an application to provide statistical tools to agricultural chemists.
- Developed a library to parse data stored in a legacy file format.
- Refactored legacy code that was written in R into C# to improve performance and maintainability and integrating it into version control.
- Developed new interface using C# and Windows Presentation Foundation.
- Regularly met with statisticians at Dow AgroSciences to discuss the user interface, systems requirements, and other application features.

**University of Illinois Department of Electrical and Computer Engineering**

Champaign, IL

*Undergraduate Hourly (programmer)*

November 2013 –May 2014

- Collaborated with an ECE professor and other Computer Science students to develop mixed-signal CAD software which utilizes Visual C++ and the .NET framework.
- Developed project plan, presentation, and technical report, taking into consideration feedback from my fellow team members, lab assistants, and professors.

## Technical Skills

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Languages and Frameworks/Libraries: VB.net, Java(Swing), C(glibc, POSIX), C++(STL, MFC), Assembly(mips), Verilog, Python (Flask, SQLAlchemy, Numpy/SciPY/Scikit-Learn), C#(.NET, WPF, MVVM-Light, Entity Framework), HTML5, CSS, JavaScript (Durandal, Bootstrap.js)

- IDEs: Visual Studio(2012/2013), Eclipse, IntelliJ, PyCharm
- Source Control: Subversion(SVN), Git, Microsoft TFS
- Office Tools: Microsoft Word, Excel, PowerPoint, Outlook, Visio
- Operating systems: Windows(7/8), Linux/Unix, OS X
- Databases: MySQL, MongoDB