

# Mustafa Shikora

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## Education

- **University of Illinois at Urbana-Champaign**  
Bachelor of Science in Mathematics  
Minor in Computer Science  
Expected Graduation: May 2017  
Classes: Intro to Programming, Data Structures, Computer Architecture, Linear Algebra, Numerical Analysis, Discrete Structures, Abstract Algebra, Combinatorics

## Skills

- **Java**  
Applied knowledge in java with creating a tool that converted PDF's of data entries into more manipulative CSV's for CME Group.
- **C++**  
Collegiate level practice, both application and theory. Used discrete structures with object oriented programming in a semester of class.
- **SQL**  
Managed databases at Calamos Investments on a project to move and modify key client account data in an old database to a more flexible data environment.
- **HTML**  
Created mustafashikora.com, apo-aa.org, getssinc.com, and helped design parts of client relationship management websites at Calamos.
- **C#/.NET/MVC**  
Worked hands on with web-apps created with C# and .NET framework to modify, debug, and innovate new methods for client relation. Learned Model-View-Controller method of programming.
- **Matlab**  
In-class Matlab experience with data and error analysis. Experienced quick ways to solve linear and non-linear equations using easy Matlab functions. Learned statistical analysis skills that helped evaluate complex polynomial functions.

## Work Experience

- **Student Intern at Chicago Mercantile Exchange Group (CME Group Inc)**  
July 2014 – August 2014  
Created a program that read, analyzed and compared PDF's to check equality and return differences between the documents.  
Learned Maven Apache and repositories.  
Studied about futures, options, and commodities trading.
- **Application Development Intern at Calamos Investments**  
Worked on a project to transport an old, inefficient, layout of databases and web apps to a method that helps the Client Relationship Management team keep better track of all the client accounts. Using C#, .NET, and SQL, the transition was smoother.

## Volunteerism

- **Technology Chair in Alpha Phi Omega**  
May 2015 – Present  
Programmed and re-designed apo-aa.org. The website was inefficient and cluttered, so using Squarespace, HTML, CSS, and Javascript I revamped the website to compress all the information in a more accessible way for all the users.