Brian Liebe

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Education

Binghamton University, State University of New York   *Sept. 2015 – Dec. 2018*
- ▪ Bachelor of Science, Computer Science
- ▪ Overall GPA: **3.8 / 4.0 – Magna Cum Laude**

Technical Skills

Proficient languages: C#, Java, TCL, Python, C++, C, and some CUDA, VB, PHP, & JavaScript

Software/OS: Git, Perforce, Office Suite (& VSTO), Visual Studio, NetBeans, Linux, Windows, & more

Additional technical: HTML/CSS/JS experience, financial industry knowledge

Employment

Fidessa (ION Group)   **Jersey City, NJ**
Junior Delivery Engineer   *Jan. 2019 – Present*
- ▪ Design complex client-specified customizations to the front and back-end of the Fidessa trading platform, typically in TCL, Java, or EE (proprietary), working with a large central code-base
- ▪ Develop C# applications to accelerate upgrade processes with streamlined data pulled from Perforce (version control)
- ▪ Write and maintain TCL-driven websites for quickly viewing client statistics and information
- ▪ Integrate C# with Office's VSTO to create plugins for Outlook to fetch information, sort emails, and track client data
- ▪ Gain extensive financial industry knowledge from working with various financial institutions and back-offices, as well as working closely with Fidessa's core trading platform for both the buy and sell sides

Universal Instruments Corporation   **Conklin, NY**
Software Engineering Intern   *June 2017 – Aug. 2017*
- ▪ Shifted company towards Git by creating Jira plugins to move away from ClearQuest, creating a more efficient system
- ▪ Worked across departments on C#-based projects to improve internal logging/debugging

Binghamton University Computer Science & Physics Departments   **Binghamton, NY**
Teaching/Course Assistant   *Aug. 2017 – Dec. 2018*
- ▪ Helped teach several classes, including physics, writing, and computer science to other Binghamton students
- ▪ Graded lengthy technical papers, essays, tests, quizzes, and code, depending on the class
- ▪ Led large discussions and labs for students to ask questions and learn topics more in-depth

Brockport Central School District   **Brockport, NY**
Technical Assistant   *June 2014 – Aug. 2016*
- ▪ Troubleshooted various technical problems on different devices, including PCs, tablets, etc.
- ▪ Setup and maintained devices across 6 buildings, including 3500+ students and 700+ staff

Projects

Fidessa (ION Group)   **Jersey City, NJ**
C# / Outlook VSTO   *Jan 2019 – Present*
- ▪ Developed a C# application that streamlines the client upgrade process, simplifying and organizing a multi-step process into one simple application, dramatically speeding up upgrades
- ▪ Designed a plugin for Outlook VSTO which automatically fetches client information from remote servers, condenses data into readable tables, and integrates PuTTY/Plink to quickly access servers
- ▪ Wrote a plugin for Outlook which dynamically organizes emails by client, easily tweaked by configuration files

Binghamton University   **Binghamton, NY**
C++ / CUDA   *May 2018*
- ▪ Wrote a complex convolutional neural network to distinguish numbers from handwritten samples
- ▪ Integrated CUDA by moving simple calculations to the GPU to improve performance

Personal   **New York, NY**
C#   *Oct. 2019 - Present*
- ▪ Developed tools to track statistics for professional Call of Duty games which aided team analysts
- ▪ Produced an interactive map to plot kill/death coordinates used to create detailed heatmaps