

Brian Liebe

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Education

Binghamton University , State University of New York Bachelor of Science, Computer Science Overall GPA: 3.78 Major GPA: 3.85	Dec. 2018 Expected
Brockport College , State University of New York Dual-enrollment through Brockport High School	Sept. 2014-May 2015

Technical Skills

Languages: C++, C, C#, Java, TCL, Python, Perl, Assembly

Other: Git, Perforce, Visual Studio, Windows, Linux/Unix, GDB, CUDA, HTML/CSS

Relevant Courses: Computer Systems I, II, & III, Data Structures and Algorithms, Operating Systems, Automata Theory, Design and Analysis of Algorithms, Computer Security, High Performance Computing, Design Patterns, Programming Languages, z/VM Virtualization

Projects

Fidessa, TCL	Jersey City, NJ, June 2018-July 2018
<ul style="list-style-type: none">Wrote a script which remotely accessed multiple servers in order to verify system changes were made during an upgrade process for both client and development serversModified existing system scripts to add new functionality which allowed for more simplicity during server upgrades	
Binghamton University, C++/CUDA	Binghamton, NY, Jan. 2018-Present
<ul style="list-style-type: none">Implemented a convolutional neural network (CNN) that detected hand-written numbers from the MNIST dataset by actively changing the weights of dense layers with machine learning techniquesIntegrated the CUDA platform by multithreading the training algorithms on a GPU	
Universal Instruments Corporation, C#	Conklin, NY, June 2017-Aug. 2017
<ul style="list-style-type: none">Developed a program that automatically retrieved source files from Git/Bitbucket when an executable was opened in Visual Studio, removing the company's need for a dedicated source file serverIncorporated a debugging application into the company's debug software which tracked system resource usageCreated a Jira extension which moved pre-existing development "issues" from ClearQuest to Jira and was compatible with Git	
Binghamton University, CSS/HTML	Binghamton, NY, Sept. 2017-Present
<ul style="list-style-type: none">Designed and styled a personal website (www.brianliebe.me) which uses a GitHub repository	

Extracurricular Experience

Binghamton University, HackBU	Binghamton, NY, Sept. 2015-Present
<ul style="list-style-type: none">Attend workshops, seminars, and hackathons	
Mountainview College Council, Co-Rec Committee Member	Binghamton, NY, Sept. 2016-May 2017
<ul style="list-style-type: none">Work with other members to plan recreational activities serving 1100 Binghamton University students	

Leadership Experience

Binghamton University Computer Science Department, Course Assistant	Binghamton, NY, Sept. 2017-Dec. 2017
<ul style="list-style-type: none">Graded the majority of student assignments including essays, bibliographies, discussions, tests, etc.Attended classes to aid the professor with in-class assignments, such as presentations and lessonsAssessed students' grammar, essay structure, and writing habits	
Binghamton University Physics Department, Teaching Assistant	Binghamton, NY, Sept. 2016-Dec. 2016
<ul style="list-style-type: none">Led demonstrations and group activities in weekly physics lab for 25 students in addition to grading quizzes	
Binghamton University, WHRW Radio Show Member	Binghamton, NY, Sept. 2016-Present
<ul style="list-style-type: none">Run a weekly music radio show which requires training two apprentices each semester	

Employment

Service Delivery Intern, Fidessa	Jersey City, NJ, June 2018-Aug. 2018
<ul style="list-style-type: none">Wrote and modified TCL scripts to simplify the upgrade process to newer versions for clients and for development serversWorked with large databases using the company's proprietary database software and language	
Software Engineering Intern, Universal Instruments Corporation	Conklin, NY, June 2017-Aug. 2017
<ul style="list-style-type: none">Worked with other developers on various projects that involved multiple departments and required communicationGained knowledge working with issue-tracking and Git file management within a corporate structure	
Technical Assistant, Brockport Central School District	Brockport, NY, June 2014-Aug. 2016
<ul style="list-style-type: none">Set up and fixed software issues on district computers supporting 3500 students, 700 faculty and staff	