

**Christine M. Gelotte**  
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**Education:**

Lehigh University • 7 Memorial Drive W, Bethlehem, PA 18015  
Bachelor of Science, Computer Engineering  
Expected May 2018

**Relevant Coursework:**

- Computer Engineering: Computer Architecture, Digital System Design, Digital Systems Laboratory
- Computer Science: Software Engineering, Systems Software, Discrete Structures, Web Systems Programming, Operating System Design, Theory of Computation, Artificial Intelligence Theory & Practice
- Electrical Engineering: Electronic Circuits, Electronic Circuits Laboratory, Junior Laboratory, Signals and Systems
- Programming Languages: proficient with Java; prior experience with Javascript, HTML/CSS, C/C++, MIPS

**Projects:**

- Senior Project: Punch Precision with Kinect (Completed). An application that provides feedback on punching form and performance. The application uses a Kinect V2 sensor to analyze body position while a user strikes and gives suggestions for technique improvement. Application provides feedback on striking force by displaying values read from an accelerometer positioned on the base of a standing punching bag.
- Course Projects (Completed): Developed a File Compressor, Compiler, and Messaging Application; CPU design based on Intel 8085 Microprocessor
- Personal Projects: Rock Roulette (In Progress), developing an online multiplayer card game using node.js. Current version can be played on heroku: <https://secret-caverns-97980.herokuapp.com> Virtual Tic Tac Toe with single and two player modes (Completed), designed AI for single player mode that is unbeatable using the Minimax Algorithm. Digital Differentiation (In Progress), developing an educational application conceptualized by a doctoral candidate at Lehigh University's Teaching, Learning, and Technology Program. This application targets 4th- and 5th-grade students to teach reading skills.

**Technical Work Experience:**

Pfizer Inc., Groton, CT: *Summer Intern in the Discovery Sciences Department* (May to August 2017)

- Assisted the Automation and Data Services team of the Compound Management group
- Created a userform in Visual Basic that interfaced with a liquid handling robot to facilitate the running process. Discussed the design with lab technicians to incorporate user needs. Self-learned Visual Basic and how to integrate the userform design with the robot's native software
- Used software tools to analyze data for incoming compound requests

Final Poster Presentation: Next Generation Data Analysis and Automation Tools for Compound Management  
Christine Gelotte, Lane Milde, Travis Mathewson, and Holly McKeith  
Pfizer Global Research & Development, Pfizer, Inc, Groton, CT 06340

Pfizer Inc., Groton, CT: *Summer Intern in the Business Technology Department* (May to August 2016)

- Assisted the Client Device Engineering team in implementing Windows 10 Enterprise
- Responsible for running pilot tests on various machine models, troubleshooting issues, improving documentation

Final Poster Presentation: Windows 10 Implementation  
Christine Gelotte, Jason Farrington, Matthew Parsons  
Pfizer Global Research & Development, Pfizer, Inc, Groton, CT 06340

Lehigh University, Bethlehem, PA; *Teaching Assistant* (January to May 2016)

- Selected as a teaching assistant for an introductory computer science course (Fundamentals of Programming)
- Assisted students in weekly lab sessions; explained concepts in more detail to students who were struggling to understand and made sure the students completed the lab assignments correctly
- Held weekly office hours to answer questions related to homework and help students prepare for tests

- Created homework assignments and exam questions, and assisted with grading

**Other Employment:**

Colonial Market, Essex, CT; *Part-time Assistant* (June to August 2015)

- Worked in the Delicatessen Department, responsible for providing an amicable service to customers
- Prepared salads and foods for the front case, cleaned and maintained the workspace

Westbrook Public Library, Westbrook, CT; *Part-time Assistant* (July 2012 to August 2014)

- Responsible for general duties at the front desk
- Cataloged books, managed overdue notices and fees, assisted patrons with availability of library resources and reference materials

**Extracurricular Activities and Interests:**

Aikido Club, *President* (Fall 2017, Spring 2018)

A club that connects students who practice Aikido at the local dojo

- Leads the club by promoting a positive and welcoming environment for students participating in Aikido
- Works with the executive board to organize student events and recruit more members

The Music Box Club at Lehigh University, *Vice President* (Spring 2015)

A club that connects musicians and music appreciators, and has the mission to host music-related events that provide opportunity for aspiring musicians of all levels to perform onstage

- Responsible for organizing events, including delegation of tasks and advertising
- Worked with the executive board to generate new ideas, and participating at events as a performer

**References:** Available Upon Request