

JASPER BEACHY
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EDUCATION

Gustavus Adolphus College Saint Peter, MN

Bachelor of Science, January 2018

Major: Chemistry

Minor: Scandinavian studies

- Selected Courses: First term seminar, General Psychology, Swedish 4, Scientific Programming, Programming Abstractions (Stanford University), Advanced Logic, General Chemistry, Environmental Chemistry, General Physics 1 & 2 (with calculus), Organic Chemistry 2, Biochemistry and Physical chemistry 1& 2

Henry M. Gunn High School, Palo Alto, CA

College Preparatory, Graduated June 2012

- Selected Courses: Automotive Technology 1 & 2, AP Spanish Language, and Student Government

SKILLS

- Computer: Photoshop, Python programming language, Java programming language, Matlab programming language, C++ programming language, electronic repair
- Languages: Proficient in Spanish, and Swedish
- Experience in Auto Repair
- Familiarity with power tools and advanced machinery (sand blaster, industrial drill, etc)
- Laboratory: Crystallization and recrystallization, extraction, acid/base standardization, titration, spectrometry, distillation, bomb calorimetry, and SDS-PAGE

EXPERIENCE

Laboratory Technician, Department of Neurology Stanford University, Stanford, CA, July 2017-Current

Delivery Expert, Domino's Pizza, Palo Alto, CA, June 2017-August 2017

Sandwich maker/Delivery Driver, Erberts and Gerberts, Saint Peter, MN, 56082, January 2017-April 2017

- Made sandwiches on make line
- Delivered orders to customers
- Sliced meats and cheeses
- Took customer's orders by phone or in-store
- Checked temperatures of soups and make line items
- Inventory and stocking

Delivery Expert, Domino's Pizza, Saint Peter, MN, August 2015-May 2016

- Tended to oven and then prepared food items for carry out or delivery
- Took customer's orders by phone or in-store
- Took food items out for delivery
- Did dishes and made boxes for carry out and delivery items
- Kept track of cash payments and receipts

Logic Tutor, Gustavus Philosophy Department, Saint Peter, MN, February 2015-May 2015

- Tutored students enrolled in PHI 236, formal logic

Lifeguard, Gustavus Lund Athletic Center, Saint Peter, MN January 2014-May 2015

- Ensured safety of pool users

Assembly Person, Neidhardt Inc Redwood City, CA, June 2013-August 2013

- With team assembled light fixtures: wired sockets with teflon or copper wire, set ballast
- Drilled holes for ground wires and screws
- Labeled finished products with UL label, cleaned fixtures with denatured alcohol or scotchbrite
- Helped with packaging of fixtures for delivery

Janitor, Gustavus Physical Plant, February 2013-May 2013

- With teams maintained cleanliness of Lund athletic center

Lifeguard, Community Recreation Association, Stanford, CA, Summers 2009/2010

- Ensured safety of pool users and performed member services

Activities

- KGSM radio DJ host (Student run radio)
- Gustavus Rugby Club (Student run rugby club)

Object Oriented Programming:

C++:

- Pathfinding algorithm including DFS, A* search, BFS, and Dijkstra
- Data structures including sets, queue, stacks, priority queue, linked list, trees, graphs
- Knowledge of Pointers
- Creation of a boggle game
- Word ladders and Ngrams
- Sierpinski gasket and other related recursive programs

Python:

- Creation of a sample Facebook database program
- Creation of a sample music library database program

Java:

- Keyboard simulation program that uses a queue and uses the Karplus-Strong algorithm
- Recursive fractal graphics program to draw a Sierpinski triangle
- Nbody simulation program for a sample “universe”
- String program that reads in a text file for a DNA strand and converts it into RNA transcription