

Brian Kozeny

406 Brentwood Ct, Roselle, IL 60172

☎ (630) 440-0456 | ✉ Bkozen2@uic.edu

Education

University of Illinois at Chicago

Bachelor's Degree in Math and Computer Science (and a minor in Physics)

Chicago, IL

Gradating Spring 2021

Lake Park High school

Finished high school and attained a diploma

Roselle, IL

Attended from 2010-2014

Experience

Indak Manufacturing

Northbrook, IL

Quality Control and Lab Technician (Worked full time during summers and winters)

Dec. 2017-Present

- Occupied a lab space and tested newly developed switch prototypes at varying currents for specific amounts of time.
- Organized data I collected into visual representations and applied different means of statistical analysis.
- Examined varying products on function and quality, then approved satisfactory products.
- Operated and maintained various forms of machinery (Checksum machines, SMT feeders, Solder ovens).
- Inspected different types of Printed Circuit Boards and noted the errors in function of particular boards.

UIC Student Recreation Facility

Chicago, IL

Life guard and Swim Lesson Instructor (work 20-25 hour per week on top of school)

Nov. 2017 - Present

- Cooperated with an aquatics team to maintain a well-organized and efficiently safe pool deck.
- While certified under The American Red Cross, I was required to memorize Red Cross Protocol.
- Required to be certified in CPR, AED, and First AID.
- Performed rescues in the event of drowning or swimming accidents and able to administer first aid and CPR when needed.
- Maintained the facilities PH and chlorine levels.
- Taught a wide range of students (ages 4-50) how to effectively swim and how to apply essential water skills.
- Monitored the progress of my students and reported helpful information back to the students/guardians.

Bloomingdale Park District

Chicago, IL

Life guard and Swim Lesson Instructor (Worked full time during summers and winters)

May. 2010 - Aug. 2015

- Required to be certified under the StarGuard organization, and to be knowledgeable of all StarGuard protocol.
- It was mandatory to be certified in Emergency Oxygen Tank use as well as CPR, AED, and First AID.
- Attended in-service training sessions with a team of lifeguards.
- Participated in regular audits, which included active duty emergency scenarios.
- Educated students on a variety of swim strokes and water safety techniques.

Skills

Programming Languages: Python, JavaScript| Have experience with: C++, Root, Matlab

Other Computer Related Skills: Experience with AutoCAD, Rhino 3D, LaTeX, Microsoft Excel, Adobe Photoshop

Languages: English and Intermediate experience speaking Spanish

Projects

Triangle Solver: (Course Project- MCS 260)

- A code written in Python demonstrating use of object oriented programming to solve information inputted by the user
- Allows the user to put in specified points of a triangle and returns: The area of this triangle, the perimeter of the triangle, the longest Side of this triangle, the type of triangle, if it is a right triangle, and where the center of the triangle is

Sudoku Solver: (Independent Project)

- A code written in Python that solves any Standard Sudoku puzzle on a 9x9 grid
- Implements a backtracking algorithm in order to efficiently and effectively solve the puzzle