# CHRISTOPHER RANDALL

847-257-5747 • Vernon Hills, IL • chrisrandallvh@gmail.com • Website • linkedin.com/in/chrisrandall99

## EDUCATION

**UNIVERSITY OF ILLINOIS**, URBANA-CHAMPAIGN IL                    **AUGUST 2022 – MAY 2024**
- BACHELORS DEGREE OF SCIENCE IN COMPUTER SCIENCE (GPA: 3.97)
- RELEVANT COURSEWORK: INTRO TO ALGORITHMS & MODELS OF COMPUTATION, SYSTEM PROGRAMMING, THE ART OF WEB PROGRAMMING, INTRODUCTION TO COMPUTER SCIENCE II, DATA MINING, AND COMPUTER ARCHITECTURE

**COLLEGE OF LAKE COUNTY**, GRAYSLAKE IL                    **AUGUST 2020 – MAY 2022**
- ASSOCIATES DEGREE IN ENGINEERING SCIENCE (GPA: 4.0)
- RELEVANT COURSEWORK: COMPUTER SCIENCE I, DISCRETE MATHEMATICS, AND CALCULUS

## PROGRAMMING KNOWLEDGE

**SKILLS**
- PROFICIENT IN JAVA, PYTHON, C++, C, OCAML, SQL, JAVASCRIPT, HTML, AND CSS
- EXPERIENCED WITH THREADS, NETWORKING, DATABASES, NODEJS, EXPRESS, AJAX, DEBUGGING, AND OOP
- PROFICIENT WITH NUMERICAL METHODS, COMPILERS, LINEAR ALGEBRA, AND PROBABILITY
- EXPERIENCED IN USING GIT, INTELLIJ, VISUAL STUDIO CODE, TABLEAU, POSTMAN, UNREAL ENGINE, WORD, EXCEL, POWERPOINT, AND OUTLOOK
- SOFT SKILLS INCLUDE TEAMWORK, COLLABORATION, CURIOSITY, AND ADAPTABILITY

**PROJECTS**
- CREATED A FANTASY SPORT WEBSITE USING JAVASCRIPT, HTML, CSS, REACT, DATABASES, AND AN API
- CREATED A PERSONAL WEBSITE WITH REACT AND NEXT.JS WHICH INCLUDED CSS FLEXBOX, CSS GRID, A NAVBAR, SMOOTH SCROLLING, EMAILJS, AND MEDIA QUERIES.
- DEVELOPED A MEMORY ALLOCATOR IN C TO EFFICIENTLY ALLOCATE AND DEALLOCATE MEMORY BLOCKS ON THE HEAP FOR A PROGRAM
- DEVELOPED AN API IN C TO ALLOW CLIENTS TO SEND AND RECEIVE INFORMATION WITH A SERVER
- CREATED A C++ PROGRAM USING DYNAMIC PROGRAMMING TO FIND THE LOWEST COST PATH FROM THE BOTTOM TO THE TOP OF AN ARRAY OF NUMBERS

## WORK EXPERIENCE

**HEAD LIFEGUARD,** VERNON HILLS PARK DISTRICT                    **AUGUST 2021 – AUGUST 2022**
- TRAINED STAFF ON PROPER RESCUE TECHNIQUES, CPR, AND FIRST AID
- OPERATED AND MAINTAINED POOL FACILITES INCLUDING POOL CHEMICAL LEVELS
- MAINTAINED POOL INVENTORY SUCH AS FIRST AID SUPLIES AND PERSONAL PROTECTIVE EQUIPMENT

**LIFEGUARD,** VERNON HILLS PARK DISTRICT                    **MAY 2018 – AUGUST 2021**
- PROVIDED A SAFE ENVIRONMENT FOR PATRONS THROUGH SURVEILLANCE AND PROVIDING FIRST AID
- MAINTAINED LIFEGUARD CERTIFICATION BY GETTING RECERTIFIED EVERY 2 YEARS
- PARTICIPATED IN CONTINUING EDUCATION THROUGH WEEKLY TRAININGS

## AWARDS AND HONORS

**GRADUATED WITH HIGHEST HONORS,** UNIVERSITY OF ILLINOIS                    **MAY 2024**

**SCHOLAR ATHLETE,** VERNON HILLS HIGH SCHOOL                    **MAY 2020**

**NATIONAL HONOR SOCIETY,** VERNON HILLS HIGH SCHOOL                    **AUGUST 2019 - AUGUST 2020**