

# CHRISTOPHER RANDALL

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## 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 WHICH INCLUDED A NAVBAR, SMOOTH SCROLLING, CSS3 ANIMATIONS, AN EMBEDDED VIDEO, AND AN IMAGE CAROUSEL
- 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 FACILITIES INCLUDING POOL CHEMICAL LEVELS
- MAINTAINED POOL INVENTORY SUCH AS FIRST AID SUPPLIES 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