

Austin Choe

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TECHNICAL SKILLS

General Skills: Object Oriented Programming, Full Stack Development, App Development, Cloud Computing, AWS, Data Structures, Parallel Programming, Linux, Automation Tools, Technical Writing
Languages: Python, Java, JavaScript, TypeScript, Kotlin, Ruby, C, C++, C#, HTML, CSS, Rust
Developer Tools: Visual Studio, Android Studio, Eclipse, Atom, PyCharm, Git
Libraries: React, OpenMPI, OpenMP, OpenCV, pandas, SQLite, MySQL
Frameworks: Angular, ReactJS, Oracle, Express, .NET, Ruby on Rails

PROJECTS

AccuScraper | *Python*

- Implemented Software Automation and Web Scraper to extract data from a domain
- Analyzed HTML from web pages of thousands of cities and parses data to a *.csv* file
- Web Scrapped using techniques of Regular Expressions and *requests* API

B-Trees | *Python*

- Implemented complex multi-way search tree and exemplifies knowledge in Advanced Data Structures
- Analyzed run-time efficiency and tree restructuring

Conway's Game Of Life | *C*

- Developed 2D Cellular Automation through Parallel Computation
- Partitioned grid and workload by processes which communicate together to maximize efficiency
- Used OpenMPI Library partition workload and communicate among processes

Regex and Autonomy Conversion | *OCaml*

- Developed Nondeterministic and Deterministic Finite Automata and functionality
- Implemented Program to convert between Nondeterministic Finite Automata, Deterministic Finite Automata, and Regular Expressions

EXPERIENCE

Software Engineer

Sept. 2019 – March 2020

ASPIRE Robotics

Skylesville, MD

- Assisted in leading plans, designs, and mechanics of a robot for competition in a team of about a dozen
- Programmed robot in Java via Raspberry Pi
- Collaborated with handful of teams to optimize robot functionality

Refurbishment and Renovation

June 2020 – Aug. 2020

(Family Owned)

Glen Burnie, MD

- Manual labor with interior/exterior re-development
- Experienced in painting and carpentering

Restaurant Worker

June 2020 – Sept. 2021

Chipotle

Eldersburg, MD

- Communicate with managers and team members to be most effective yet convenient
- Experienced in Food and Customer Service

EDUCATION

University of Maryland

2020 -2024

Attended Bachelor's in Computer Science

College Park, MD