John M. Rundle

School Address
319 Duncan Hall
Notre Dame, IN 46556

jrundle@nd.edu
573-645-1263
http://jackrundle.me

Permanent Address
400 Hunters Run
Jefferson City, MO 65109

EDUCATION

University of Notre Dame — Notre Dame, IN
Major: Computer Science — May 2022
Relevant Coursework: — GPA: 3.97 / 4.00

- (Current) Software Development, Compilers & Language Design, Programming Paradigms, Theory of Computing
- (Completed) Data Structures, Discrete Math, Computer Architecture, Systems Programming

TECHNICAL SKILLS

Languages: C, C++, C#, HTML/CSS, Python, Verilog HDL
Other: Agile (Scrum), ASP.NET, AWS (DynamoDB, EC2, S3), Bootstrap, Flask, Git, jQuery, Linux, SQL, Vim

EXPERIENCE

Fidelity Investments — Durham, NC
Software Engineering Intern — June 2020 – July 2020

- Developed enhancements and bug fixes to a Defined Benefits regression testing utility
- Architected system in C++ and MySQL to automate monthly QA regressions, saving hundreds of manual hours
- Prepared documentation and instructional videos for future developers

Huber & Associates, Inc. — Jefferson City, MO
Junior Application Developer — May 2019 – March 2020

- Coordinated with Accounting dept. to design SQL-based financial analyses in SSRS, reducing required labor by 75%
- Conceptualized and developed an intranet website to manage company event planning and signups
- Leveraged .NET MVC 5 for backend, jQuery and Bootstrap for frontend, and an external SQL Server for data storage
- Investigated and proposed the potential applications of the IBM Watson API to upper management with custom Python/Flask prototypes and Node.js endpoints
- Collaborated with a state government office to transfer website content from one CMS to another

PROJECTS

Personal Website — Spring/Summer 2020

- Designed an AWS EC2 hosted website from scratch, using Flask + Nginx for backend and vanilla JS + CSS for front-end
- Integrated Spotify and Github API's to gather additional information, using AWS S3 to securely store OAuth tokens

Rubik's Cube Solver — Spring 2019

- Developed a solution algorithm in MATLAB and programmed an Arduino to actuate motors within a 3D printed frame
- Selected as one of the five featured projects among all freshmen engineers and invited to present to incoming class

Handicap Management Program — Summer 2018

- Designed and implemented a Python based golf handicap management program with a GUI and user login system
- Created a Python script to asynchronously parse online USGA course and tee data
- Utilized Google's Geocoding API in populating a SQLite database with relevant information on over 14,000 U.S. courses

ACTIVITIES / INTERESTS

Notre Dame Club Golf Team (2x National Championship Participant) — 2018 – Present
Intermural Soccer, Volleyball, Golf, Basketball — 2018 – Present
Notre Dame CS For Good — 2020 – Present