Junior Green
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EDUCATION

Carleton University, Public Research Institute of Ottawa, School of Computer Science
Bachelor of Science in Computer Science   *September 2020 – June 2024*
Cumulative GPA: 3.42 / 4.0 | Dean's List
Major GPA: 3.72 / 4.0

Relevant Courses: Design and Analysis of Algorithms, Programming Paradigms, Database Management Systems, Object-Oriented Software Engineering, Operating Systems, Fundamentals of Web Applications, Abstract Data Types and Algorithms

SKILLS

Languages: TypeScript, Java, HTML, CSS, SQL, Python, JavaScript, C++
Frameworks/Libraries: React.js, Next.js, Angular, Node.js, Flutter, Spring Boot, Hibernate, Spring JPA,
Tools/Platforms: PostgreSQL, VS Code, Linux, Git, IntelliJ, Firebase, Vercel, MongoDB, Docker, Maven

PROJECTS

Streaming Service Front-end Clone - Angular | Firebase   *August 2023 – January 2024*
- Developed a front-end clone of the popular entertainment streaming service Crunchyroll
- Executed a responsive design approach with Tailwind resulting in a 40% boost in mobile responsiveness scores
- Implemented secure authentication system, enabling robust email and password verification for users leveraging Firestpre
- Optimized performance to get the FCP down to 466ms providing a 93% improvement
- Optimized network requests to Firebase Storage down to an average of 156ms providing a 19% improvement

Sport Stats Tracker - Next.js | MongoDB   May – August 2023
- Developed a comprehensive sports stat tracker web application using Next.js and MongoDB, enabling users to efficiently monitor performance
- Implemented a Continuous Integration (CI) pipeline using GitHub Actions, automating the build, testing, and deployment process to Vercel, reducing manual effort by over 75%
- Implemented OAuth authentication integration with multiple identity providers, including Twitter, Reddit, Discord, and Google, increasing user flexibility and convenience, and boosting app accessibility by 40%
- Utilized Next's server-side rendering capabilities to enhance application performance, delivering fast loading times and improved SEO optimization

Heart Rate Variability Analyzer, Carleton University - C++ | Qt   *February – May 2023*
- Worked with 3 other team members in a simulated Scrum development environment to create a HRV simulator
- Constructed a GUI that featured a real time graph that visualized analytics such as heart rate, heart rate variability, and coherence
- Increased efficiency of the program by optimizing code resulting in a decreased build time of 30% (600ms)
- Mentored one of the team members teaching them Qt's widget API and library functionalities

Digital Wardrobe App - Flutter | Firebase   *May 2022 – January 2023*
- Developed and implemented a scalable backend infrastructure using Firebase as a SaaS solution
- Integrated Apple In-App Purchase and Google Play Billing, enabling monthly subscriptions through a frictionless payment experience
- Implemented Google Sign-In and Apple Sign-In authentication enabling seamless login for a scalable consumer base
- Published a public beta test through the Apple Developer program and Testflight, reaching over 20 beta testers

WORK EXPERIENCE

No Frills, Innisfil, Ontario   *June 2021 – August 2023*
Seasonal Produce Stocker
- Collaborated with a team to execute timely restocking procedures
- Demonstrated exceptional organizational skills by efficiently managing and restocking produce inventory