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| Brian Sayre | (319)-804-5234  [briansayre01@gmail.com](mailto:briansayre01@gmail.com)  [briansayre.com](https://briansayre.com)  [github.com/briansayre](https://github.com/briansayre) |
| **SKILLS** | |
| Java *(Eclipse, IntelliJ, Spring Boot, Android Studio)*, JavaScript *(React.js, Vue.js, Node)*, Python, AWS *(Lambda, S3, DynamoDB, CDK)*, C, HTML, CSS, SQL, Git, Unix | |
| **EDUCATION** | |
| **Iowa State University** | **Aug 2018 - May 2022** |
| *Bachelor of Science in Software Engineering* | |
| * Data Science minor * 3.9 GPA | |
| **EXPERIENCE** | |
| **Software Engineering Intern** | **June 2021 - Aug 2021** |
| *UnitedHealth Group, Eden Prairie, MN* | |
| * Performed maintenance and bug fixes within Optum's FLEX Platform project to ensure high quality code * Implemented a new pipeline for data validation and transformation using HL7's FHIR standards * Developed web app using Vue.js and Spring Boot to aid engineers develop and test Liquid templates | |
| **Software Engineering Intern** | **May 2020 - Aug 2020** |
| *Principal Financial Group, Des Moines, IA* | |
| * Created a proof-of-concept for an internal chatbot that enables employees to easily access resources * Developed using the AWS Cloud Development Kit written in Python, utilizing AWS Lambda, S3, Lex, & Dynamo * Worked with a team of six interns practicing Scrum agile development * Winner of PFG’s Summer AWS Code Jam/Hackathon against 15 other intern teams | |
| **Software Engineering Learning Community Peer Mentor** | **Aug 2019 - Present** |
| *Iowa State University, Ames, IA* | |
| * Host office hours and labs for an introduction to C programming course for freshman in the fall * Teach a project-based software course for freshman in the spring * Facilitate study groups, workshops, and social events for the learning community * Assist with questions about ISU, transitioning to college life, and the Software Engineering major | |
| **PROJECTS** | |
| [**Self-updating Spotify GitHub Profile README**](https://github.com/briansayre) |  |
| *Python, Spotify API, GitHub Actions* | |
| * A profile README for my GitHub account that, using GitHub Actions, updates with my most recent top Spotify tracks every night at midnight using the Spotify API. | |
| [**Simplmeals**](https://briansayre.com/simplmeals) |  |
| *JavaScript, HTML, CSS, React.js, Firebase* | |
| * Simplmeals is a web app that allows users to create your own recipes and plan their meals. It was made to help me and others stay organized while grocery shopping and cooking. | |
| [**Sayre.link**](http://sayre.link) |  |
| *JavaScript, Node.js, Firebase, Heroku* | |
| * Sayre.link is a personal URL shorten I created for personal use. It was created using Google’s Firebase no-SQL backend and Node.js hosted using Heroku. | |
| [**Genetic Algorithms**](https://briansayre.com/genetic) | |
| *JavaScript, P5.js* | |
| * This is a website I created to visualize a genetic algorithm. Allowed me to test how changing certain variables within the algorithm affects the outcome and efficiency of the algorithm. | |