

# Joshua Hatfield

josh.o.hatfield@gmail.com | (317) 800-4091

**Current Address:**  
529 Ridge Rd.  
Greenwood, IN 46142

---

## TECHNICAL SKILLS

**Certifications:** AWS Certified Cloud Practitioner, ISC2 Certified in Cybersecurity (CC)

**Programming Languages:** C, Java, PHP, Python, R

**Platforms:** Linux, Microsoft Windows, UNIX

**Databases:** MariaDB, Microsoft Access, MySQL

**Web Development:** HTML5, Flask, JavaScript, CSS

**Miscellaneous:** AWS, Figma, GitHub, JavaFX MVC, Microsoft Excel, Power BI, Scene Builder, Snowflake, @RISK Monte Carlo

---

## EDUCATION

**Indiana University, Luddy School of Informatics, Computing, and Engineering** | Bloomington, IN

*May 2023*

*Bachelor of Science in Informatics, Summa Cum Laude*

**GPA: 3.90 / 4.00**

- **Minor:** Security Informatics

---

## PROJECTS & COURSEWORK

**AptiStudy Web Application** | Bloomington, IN

*August 2022 – May 2023*

- Spearheaded comprehensive 130 page documentation for team web-based study group management application, encompassing database schema design, UX workflow through 30+ Figma wireframes, and governance considerations
- Engineered robust PHP JSON tokenization decoder to enhance session management for Google login API requests, contributing to improved security and seamless user authentication with the MySQL database
- Implemented CRUD logic for user profile and ticket support epics using Scrum methodology, HTML5, CSS, and JavaScript
- Facilitated user-centric refinements by coordinating 8 interviews, observations, and usability studies, leading to a 25% improvement in user satisfaction after final evaluations

**Java Order Management Application** | Bloomington, IN

*March 2023 – April 2023*

- Collaborated with four-member team within application development course, taking charge of designing and constructing frontend for Java-based management system using Scene Builder to handle order requests and customer data
- Integrated and tabularized pre-existing order data from CSV file into TableView columns upon program initialization, resulting in a 30% improvement in data accessibility for parsing order entries
- Orchestrated seamless interaction between application windows with JavaFX MVC, ensuring responsive UX upon satisfying predefined conditions and handling exceptions efficiently (e.g., enabling order confirmation after validating inputs)

**EY Tierra Encantada Market Proliferation Blueprint** | Bloomington, IN

*January 2021 – May 2021*

- Pitched strategic corporate sponsorships, community engagement initiatives, and B2B API integrations to streamline Tierra Encantada's expansion efforts into the Chicago market and increase brand visibility as a Spanish immersion daycare
- Evaluated SWOT and risk analyses to address risks with market saturation, COVID-19, and inefficient franchise controls

**FFPSA Accreditation Database and Workbook Honors Team Project** | Bloomington, IN

*February 2020 – May 2020*

- Conceptualized and constructed a Microsoft Access database with 30 tables as well as Microsoft Excel report workbook, enabling the Robert Brown Jackson County Juvenile Home to maintain FFPSA accreditation by emphasizing secure data validation across critical domains like incident reports and faculty safety
- Developed dynamic data visualizations, including Pivot Tables and Gantt charts, to express actionable insights as well as comparative analyses into yearly inspection trends, juvenile residency tenures, and employee test data

---

## LEADERSHIP & INVOLVEMENT

**Hudson and Holland Scholar** | Bloomington, IN

*August 2019 – May 2023*

- Partook in Leadership, Engagement, Academic, and Diversity (LEAD) experiences through campus initiatives and seminars
- Engaged in leadership conferences, seeking to promote various initiatives for improved diversity in corporate workplaces

**Kelley-to-Kelley Mentoring Program** | Bloomington, IN

*June 2020 – June 2021*

- Provided guidance on course responsibilities, internship opportunities, and club involvement for freshman student in the Kelley School of Business, aiding their acclimatization to academic and professional roles
- Recommended additional resources and tutoring, contributing to the student's successful start in business courses