

CODY BANISTER

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WORK EXPERIENCE

Software Engineer

Naval Surface Warfare Center, Crane Division

May 2019 - October 2020

Crane, IN

- Led development of a support ticket system for an in-house support team using React, Node.js, and Express
- Created a MongoDB database with optimized queries, reducing ticket lookup and update times by up to 250%
- Designed a RESTful API with ExpressJS to facilitate data entry, processing, and administrative permissions
- Communicated with stakeholders using Agile methodologies and Jira tracking software for over 165 tickets

Undergraduate Instructor

Indiana University – School of Informatics, Computing and Engineering

Jan 2017 - May 2019

Bloomington, IN

- Assisted with guided instruction of *Introduction to C* and *C#/ASP.NET Web Programming* courses
- Hosted out-of-class review sessions and appointments on a weekly basis to assist with course material
- Provided assistance with course exercises and review material to over 50 students per semester

Undergraduate Researcher

Indiana University – Societal Computing Lab

Jan 2017 - Sept 2017

Bloomington, IN

- Developed a web application with JavaScript for viewing interviews of over 50 Vietnam veterans
- Integrated an interactive map using LeafletJS for displaying historical maps of the Vietnam War
- Compiled over 150 interviews, historical documents, and video files to view in the application

EDUCATION

Indiana University

Bachelor of Science – Computer Science
Specialization – Intelligent Systems

Bloomington, IN

May 2019

TECHNICAL SKILLS

Programming languages: JavaScript, Java, C#, HTML, CSS
Frameworks & libraries: Bootstrap, React, ExpressJS, Angular, Sass
Development tools: Visual Studio, Visual Studio Code, Git, Jira
Databases: MongoDB, SQL, PostgreSQL

PROJECTS

Vietnam War Stories (2017) | *HTML/CSS, JavaScript, jQuery*

- An interactive web application with interviews and cartographic information from Vietnam War veterans
- Integrates a LeafletJS-powered historical map of the Vietnam War for viewing specific regions
- Utilizes SQL database for pulling relevant information such as definitions and related material

Super Rentals (2019) | *HTML/CSS, Bootstrap, Angular*

- A mock apartment management system developed with modern tools like Angular 6 and Bootstrap
- Allows tenants to choose and manage apartments, and landlords to manage properties and revenue
- Built with a group of four developers, promoting valuable team experience and task responsibility

VOLUNTEER WORK

Ambassador

Indiana University – School of Informatics, Computing, and Engineering

Bloomington, IN

May 2016 - Jan 2017

- Represented the School of Informatics and Computing during college and state-wide events
- Organized interactive workshops to promote Informatics and Computer Science opportunities
- Corresponded with prospective SICE students to encourage them to choose Indiana University