# Alex Crowley

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Please Inquire via Email for Phone Number

## Education

Bachelor of Science, Computer Science - Minor in Mathematics, February 2017 Rose-Hulman Institute of Technology, Terre Haute, IN
Cumulative GPA: 3.01

## Work Experience

### Emplify, Software Engineer

March 2020 to Present

- Full-Stack Developer maintaining a React portal and Node backend with a Postgres Database
- Development with a Minimum Viable Product mentality to allow for rapid iterations
- Work closely with a product team to deliver quality solutions in a timely fashion
- Enhanced codebase to provide type definitions, enable autocomplete, and improve readability
- Significantly improved system performance for large customers by optimizing SQL queries
- Designed and developed a system to manage and create new surveys efficiently

### LifeShare Technologies, Software Engineer

March 2017 to March 2020

- Full-Stack Developer maintaining a web portal, mobile app, and set top box client backed by a Java Spark REST API and Mongo Database
- Led significant effort towards migrating from Struts framework to a REST-based platform
- Provided onboarding and mentorship for full-time employees and interns
- Attended career fairs representing company and conducted on-campus interviews
- Co-Developed an Alexa skill to provide community and resident information
- Developed and integrated Serverless architecture using AWS Lambda and API Gateway to offload CPU intensive tasks

### Underground VR LLC, Co-Founder & Developer

July 2017 to Present

- Development and release of *Bit Storm VR: First Loop* to the Steam Marketplace
  - Led the development of AI and enemy spawning logic
  - Level design and art selection
  - Experience using Unity, SteamVR, and VRTK
- Development of Virtual Reality tour experience for Amrit Oceans
  - Coordination with an artist contractor to create assets
  - Placing and selection of 3D assets to specification, added floors and walls matching blueprint
  - Development of intuitive navigation system