

Zachary T. Johnson

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OBJECTIVE

To obtain an internship in artificial intelligence for the summer of 2021

EDUCATION

Iowa State University, Ames, IA

Bachelor of Science in Computer Engineering *Expected graduation May 2021*

Master of Science in Computer Engineering *Expected graduation May 2022*

GPA 3.25/4.0

SKILLS

Software/Libraries: Pandas, NumPy, Sci-kit Learn, Jupyter Notebook, TensorFlow, Spring, Cypress, ModelSim, MARS, Git, Apache, Firebase, Jira, IntelliJ, Eclipse, VMWare

Languages: Python, C, Java, MySQL, HTML, CSS, VHDL, ARM/MIPS Assembly, Verilog, JavaScript

EXPERIENCE

Nurocor, Rochester, MN, May 2019-December 2019, May 2020-August 2020

Quality Assurance Intern

- Implemented an automated end-to-end test case suite in Javascript using Cypress
- Defined and documented Cypress, Git, and Jira best practices for effective future test case development and documentation
- Worked as part of a completely remote development team following an Agile-based methodology (Kanban)
- Designed new test cases based on clinical trials use cases as defined by experts in the pharmaceuticals field
- Implemented testing standards in order to maintain maximum efficiency while also documenting all work to meet highly demanding audit requirements
- Learned the basics of clinical data storage in order to be able to test the product effectively

Liberal Arts and Sciences IT, Ames, IA, March 2019-May 2019

Student IT Technician

- Worked with professors to migrate their website files to a new university web server via SFTP
- Compared old and new network scans to track down rogue wireless access points and filter transients
- Loaded standardized disk images onto devices based on their department
- Assisted professors in solving various technology issues

Hidden Acres Christian Center, Dayton, IA, Summer 2016, 2017, 2018

Quad Leader

- Organized and lead groups of 70+ campers in activities/games
- Mentored and assisted less experienced counselors

Chapel Coordinator

- Coordinated and lead two teams of musicians, and changed them each week based on staff arrangement
- Facilitated auditions to understand where each musician's skills could best be utilized
- Implemented and maintained sound systems in two chapels
- Lead a team of staff in various tasks, such as cleaning, coordinating activities, and food service

ACTIVITIES

- The Salt Company (Ames, Iowa)- International Student Ministry Leader
- Guitar and vocals worship leader at various churches