

Jordan McGhee

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PROFILE

Dedicated hardware engineer, with a high interest in VLSI design, low-level programming, and avionics. I am seeking a position where I will be able to learn more about computer hardware and put to use the knowledge and experience I already have.

EMPLOYMENT HISTORY

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|---------------------|---|---------------|
| May 2018 — Present | Tech Intern, Insurezone | Oelwein Iowa |
| | <ul style="list-style-type: none">Assisted in the daily tasks of the technology department.Was responsible for designing, developing, testing, and integrating new code into the existing framework.Worked extensively in java, vb script, and angular (CLI). | |
| Aug 2015 — May 2017 | Tech Team Member, Oelwein High School | Oelwein, Iowa |
| | <ul style="list-style-type: none">Assisted students and faculty with general IT issues.Helped re-image, clean, fix, and catalog all end user machines.Assisted in training newer members in Mac-book repair. | |

EDUCATION

- | | | |
|--------------------|---|------------|
| Aug 2019 — Present | Computer Engineering, Iowa State University | Ames, Iowa |
| | Focus area of VLSI design. | |
| Aug 2019 — Present | Aerospace Engineering, Iowa State University | Ames, Iowa |

PROJECTS

Graphical Simulations

- Worked on creating perfectly elastic gas simulation using OpenGL and CUDA.

MIPS Based Processor

- Developed simulated and tested working single cycle, multi-cycle, and pipelined MIPS based Processor
- Created, tested, and developed all components, including and ALU and Register File

Digital Potentiometer and Op Amp

- Created 16k digital potentiometer, complete with circuit diagram and layout.
- As a sub-project, developed an operational amplifier and tested frequency response

REFERENCES

Dave Schmidt

Lead Software Engineer
Insurezone Iowa Office
dschmidt@insurezone.com
319-238-1303

Marcia Powell

Cedar Rapids Community School District
Computer Science and STEAM Educator
563-608-1900