|  |  |  |  |
| --- | --- | --- | --- |
| **Blake Espeland**   |  |  | | --- | --- | | **Address**Iowa City, Iowa, 52245  **Phone**(515) 447-1130  **E-mail**blake.espeland@gmail.com |  | |  |

Effective self-learner with computer science and math degrees and experience collaborating with teammates to create projects that perform above expectations. Well-versed in programming with strong understanding of several technologies and frameworks. Successful in quickly building skills and acquiring new knowledge.

|  |
| --- |
| **Education** |

|  |  |
| --- | --- |
| **2019-08** **–**  **2022-05** | **Bachelor of Science: Computer Science & Mathematics**  *The University Of Iowa - Iowa City, IA*  GPA: 3.69   * **Graduate courses** in machine learning, optimization techniques, computer security * Member of University of Iowa Robotics Club – machine vision and autonomy * Directed Reading Program: convex optimization and complex analysis |

|  |
| --- |
| **Work History and Projects** |

|  |  |
| --- | --- |
| **2020-09** **–**  **2022-10** | **CTO**  *Sprayer Mods*   * Researched and developed computer vision models in **PyTorch** accurate to 5cm and fast enough to run in real-time * Created a data collection, storage, cleaning, and labeling pipeline * Developed multi-threaded embedded software using **C++,** **OpenCV**, Redis, and Arduino * Implemented an agile, test-driven development cycle * Communicated technological development with potential investors and shareholders with respect to key business metrics |
| **2021-05** **–**  **2021-08** | **Software Engineering Intern**  *John Deere Financial*   * Worked on a React + TypeScript frontend with a TypeScript + AWS Lambda backend. Used **Jenkins** for CI/CD * Used Cypress, Jest, and Istanbul for unit and integration testing * Modified **AWS** infrastructure using **Terraform** * Collected, aggregated, and visualized data from our application using New Relic |

|  |
| --- |
| **Skills** |

**Languages**: Python, C++, C, Java, TypeScript, Haskell

**Technologies**: Git, PyTorch, Linux, Bash, React, AWS, CUDA, TensorRT, CMake/Make, Docker, Redis

Leadership and teamwork

Public speaking

Oral and written communication

Research

|  |
| --- |
| **Accomplishments and Honors** |

* 4x Dean's List (University of Iowa)
* Captain of football team (high school)
* Two-time state track medalist (high school)

|  |
| --- |
| **References** |

|  |  |
| --- | --- |
| **Sebastian Böhmer** | **Engineering Manager & Head of IT**  *John Deere Finance, Europe*  +49 173 607 1866 | seb.boehmer@gmail.com |
| **Holly Bennett** | **CEO**  *Sprayer Mods*  515-421-5664 | holly@sprayermods.com |
|  |  |
| **Austin LaCarte** | **Assistant Manager**  *University of Iowa Housing and Dining*  319-335-9368 | austin-lacarte@uiowa.edu |
|  |  |