

# Sam Lavin

www.samlav.in

Email : salavin12@gmail.com

Mobile : 319.431.6297

## EDUCATION

---

- **Iowa State University** Ames, IA  
*B.S. in Computer Engineering, Minors in Music and Music Technology; GPA: 3.4/4.0* *Expected Dec 2022*
- **Benton Community High School** Van Horne, IA  
*GPA: 4.1/4.3* *Graduated May 2018*

## EXPERIENCE

---

- **KURE 88.5 Ames Alternative** Ames, IA  
*Production Intern* *Feb 2020 - Present*
  - Recording and editing talk shows.
  - Mixing live bands on air.
  - Assisting in live remote broadcasts.
  - Prerecording and producing DJ's music shows.
- **Iowa State Web Development Services** Ames IA  
*Full-Stack Web Developer* *Apr 2019 - Feb 2020*
  - Used PHP, JavaScript, and CSS to create and update websites for the University.
  - Learned to use Git in a professional work environment.
- **Cedar Rapids Parks and Recreation** Cedar Rapids, IA  
*Large Equipment Operator* *Summer 2018*
  - Mowed, trimmed, mulched, and maintained several parks in the Cedar Rapids area full time.
  - Learned how to communicate with other coworkers professionally.
- **Benton Community High School** Van Horne, IA  
*Sound and Light Technician* *2016 - 2018*
  - Set up and ran sound for a multitude of band/choir concerts and theatre productions.
  - Programmed and ran lights for musicals and plays.
  - Was the first to set up live-streams for concerts at our high school.

## PROJECTS

---

- **Raspberry Pi Smart Display:** Used Python to create a display that showed dynamic bus times, weather, and Google Calender info for multiple users.
- **samlav.in:** Created my website from scratch using Apache2, Bootstrap, and lots of HTML, CSS, and JS.
- **Mailbox Sensor:** Read data from a motion sensor in a mailbox with Arduino and sent that data to a Raspberry Pi that displayed text on a small OLED display and sent text messages about the mail.
- **Robotic Marble Sorter:** Used C to program a machine that sorted between clear, colored, wood, and metal marbles.

## PROGRAMMING SKILLS

---

- **Languages:** C, Java, Python, PHP, JavaScript
- **Frameworks:** Zend Framework 2, Bootstrap

## OTHER

---

- Worked with high school tech department to install software on new MacBooks, troubleshooting various issues with laptops, and crimping lots of network cables.
- Built and upgraded my own custom PC.
- Held leadership positions in college and high school marching band, track, and cross country