SenseICs Internship
Ella Sheppard

BACKGROUND
- Business Development Research Intern at SenseICs
- Located in Columbus, OH
- Office space in a Rev1 Ventures’ facility
- Company is engineering innovation in integrated circuit design to advance:
  - Imaging capabilities
  - Secure 5G
  - Trusted microelectronics
  - Performance in high radiation environments
- Leadership has unique design and engineering experience
- Small business: 8 employees
- Connected through Ohio Third Frontier Diversity and Inclusion Technology Internship Program
- I started in December 2020

ON THE JOB
Responsibilities
- Funding
- Research
- Tracking
- Background information
- Commercialization potential
- Program contacts
- Public Relations
- Identify contacts
- Make connections
- Meetings
  - Weekly internal
  - External: Program contacts, potential collaboration, proposal preparation

ACCOMPLISHMENTS
- In my time at SenseICs, we were awarded two funding contracts:
  - AFWERX (Air Force Innovation team)
  - Office of Naval Research
- RESEARCH
  - Semiconductor industry sustainability
  - Chose 8 companies publicly traded in U.S. or Canada based on their 12-month trailing revenue
  - Companies Include:
    - Intel
    - Texas Instruments
    - Micron Technology
    - Taiwan Semiconductor Manufacturing Co.
  - Organized data with the Community Capitals Framework
  - Made diagram below to inform team of factors in each category

REV1 COHORT
- Professional development sessions
  - Implicit Bias
  - Planning for the future
  - Discussion with Rev1 CEO Tom Walker
  - Rev1 Mentor: Andrew Ewing
    - Manager of Corporate Connections
    - Met weekly
    - Intern networking session
    - Access to The Elite Leadership Alliance platform
- Leadership topics in the news
- Practice opportunities
- Courses

REFLECTIONS
- Enjoyed the challenges and benefits of a startup company:
  - Unanticipated tasks
  - Close-knit team
- Want to experience being on the support side of startups (Rev1 Ventures)
- Will pursue other startup opportunities
- Interested in environmental technology
- If you are interested in a startup company, be flexible and ready to learn

SenseICs in the News

Columbus company wins $2M-plus from DOD for integrated circuit design house
Cynthia Boyett Holley for Columbus Dispatch
A Columbus company has received a $2.6M grant from the Defense Department to create a center for integrated circuit design.

Ohio State ECE alumni earn $50,000 to create 3D Force F13 electronics
Ohio State ECE alumnae earn $50,000 to create 3D Force F13 electronics

SenseICs Microchip competition

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The Ohio State University