Sovann Chak

sdchak@iastate.edu ⬩ (515) 473-0226 ⬩ github.com/sovann20 ⬩ sovannchak.com

EDUCATION

Iowa State University   **December 2019**
Bachelor of Science in Software Engineering with Cyber Security minor   *Ames, IA*
- Relevant Courses: Algorithms, Problem Solving Techniques for Applied Computer Science, Computer Architecture, Operating Systems, Discrete Mathematics, Linear Algebra

WORK EXPERIENCE

Principal Financial Group   **May 2018 – Nov. 2018**
Software Engineer Intern   *Des Moines, IA*
- Created an internal web application using AWS (Amazon Web Services) for Principal's Property Asset Research team, which streamlines asset acquisition. I automated the retrieval of brokered data on property assets by developing a data-pipeline which would pass data through a natural language processor and archive relevant data to be easily analyzed (Python, AWS, HTML5/JS, MySQL).
- Developed a Java backend for a REST application that integrates Salesforce chat capabilities which has increased customer service agent utilization rate by 200 percent (Java, Spring, Maven).

Iowa State University   **Jan. 2018 – Present**
Computer Science Teaching Assistant   *Ames, IA*
- Teach and assist students in a programming lab setting of which the aim is to learn about object-oriented languages. Interpret, debug, and compile student code in order to present feedback and grade student assignments based on correctness and efficiency. Lead weekly sessions with students to provide detailed answers and advice for programming related questions (Java).

CAMPUS ACTIVITIES

ISU Robotics Club   **Aug. 2018 – Dec. 2018**
Autonomous Snowplow Developer   *Ames, IA*
- Tasked with generating a points list from a provided map and automating data flow for the decawave, (a chip that facilitates proximity detection) these points allow the snowplow to have proper proximity detection (C++).

OpenSrcSTEM   **Aug. 2017 – Dec. 2017**
Lead Developer   *Ames, IA*
- Led a team of four toward the successful development of an educational web application with a team of fellow student developers. Implemented MEAN Stack reference architecture to successfully produce application. Received honorable mentions in a software project fair for our team's web application (Node.js, HTML5, MongoDB, AngularJS).

CyMake Club   **Nov. 2016 – Dec. 2017**
Webmaster and Sponsorship Chair   *Ames, IA*
- Monitored and updated the club's website (hackisu.org) to provide a smooth registration process for hundreds of attendees. Partnered with local and international companies to raise tens of thousands of dollars in funding to support our student run hackathon.

SKILLS

- **Languages/Technologies**: C++, Java, JavaScript, Python, C, Git, Amazon Web Services
- **Other Interests**: coffee, volunteering, traveling, politics, hackathons, music, art, cooking