MOHSIN HAIDER
Computer Science Student and Software Developer

mohsin@hawk.iit.edu
mohsinhaider.com | 708-595-5559
github.com/mohsinhaider
linkedin.com/in/mohsinshaider

EDUCATION

Illinois Institute of Technology (IIT)   Present - 05/2018
Bachelor of Science in Computer Science
Graduating May 2018, Major GPA: 3.53/4.00

PROFESSIONAL EXPERIENCE

Research Assistant, *Scalable Software Computing Lab* - Chicago, IL   05/2016 – 07/2016
- Benchmarked NoSQL databases such as MongoDB and Cassandra to motivate a modern file system research project.
- Wrote Hadoop MapReduce jobs in Java to aid laboratory researchers in their projects.
- Gained research experience under multiple PhD student advisors and learned about research methodology.

Teaching Assistant, *Department of Computer Science at IIT* - Chicago, IL   12/2015 – 05/2016
- Mentored and tutored students in object-oriented programming concepts with Java.
- Worked with students to complete programming projects, raising their grades 3% above the class average.
- Debugged students' code to provide points of improvement regarding writing software.

PROJECTS

FeelShot - *github.com/mohsinhaider/FeelShot*   11/2016
- Developed a daily mental health journal Android application for socioeconomically disadvantaged communities.
- Built a backend with Firebase in Java to record our users' results from the mental health analysis tests we developed.
- Used Microsoft's Cognitive Services API to do facial and sentimental analysis to give users a daily mental health score.
- **Winner at ArchHacks 2016.**

Telememe - *github.com/kfichter/Telememe*   04/2016
- Built the frontend of an image rating Android application in Java that connected via Bluetooth to an Arduino board.
- Used the Android Bluetooth APIs to send signals to an Arduino from the result of a regular expression text test.
- Worked on intermediate Android frontend skills, dealing with Fragments and Nested Fragments.
- **Winner at Uncommon Hacks 2016.**

Farmee: Data Driven AgTech - *github.com/ming08108/Climate*   02/2016
- Developed an Android application in Java that bridges the gap between farmers and food bank managers.
- Utilized Climate.com's FieldView API and Google Maps services to track farmers' individual crop counts in real time.
- Worked with Microsoft Azure to package farmer input into a format that would later be serialized by Azure.
- **Winner at HackIllinois 2016.**

TECHNICAL SKILLS

Experienced: Java, Python, Javascript, HTML/CSS, C, Android Development

Prior Experience: Swift, iOS Development, SQL, MongoDB, Node.js, Django

Tools: Git, Firebase, Heroku

LEADERSHIP EXPERIENCE

Association of Computing Machinery (ACM)   2016 - Present
President
- Teaching computer science students about software development with skill-building workshops and school hackathon participation.
- Preparing students for software engineering roles with interview preparation sessions and competition travel.

HONORS AND AWARDS

Centene's "Best Hack Addressing Socioeconomic Disparities", ArchHacks 2016 – Mental health analysis hack.   11/2016
"Most Uncommon Hack", Uncommon Hacks 2016 – Built an Android app that controlled Bluetooth hardware.   04/2016
Palantir's "Best Real World Application Hack", HackIllinois 2016 – Android App that aids crop management.   02/2016
Second Place, MobiHACK 2015 – Developed a meeting assistant with Javascript and new HTML5 features.   11/2015