Kevin Blicharski

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Education

The University of Iowa, Iowa City, IA   **Expected Graduation: Spring 2019**
Computer Science and Engineering B.S.E.   **GPA: 4.07/4.33**

Employment

Fullstack Software Engineering Intern - The Signal Center, Coralville, IA   May 2017 - Present
- Created a Django API wrapper for Hologram.io, an IoT service for wireless device connectivity
- Developer for a Fitbit-integrated web application called MapTrek which impacted 250+ enrolled subjects
- Rewrote the app frontend from vanilla JavaScript, jQuery, and Django templates to Angular
- Designed a RESTful API to connect the new Angular frontend with the existing Django backend
- Helped onboard new interns with the technology stack and development practices

Computer Science Private Tutor   January 2017 - Present
- Tutored computer science courses, independently setting rates and negotiating with clients

Computers in Engineering TA - The University of Iowa, Iowa City, IA   August 2018 - January 2019
- Helped instruct a class of 140+ students in C++ and object-oriented programming principles
- Independently developed a suite of Bash scripts to make the job easier through automating tasks

Research Assistant - SINAPSE, Iowa City, IA   August 2017 - April 2018
- Developed computational tools for the analysis and visualization of medical image data
- Part of an interdisciplinary team of computer scientists, software engineers, and medical investigators

Organizations

HackIowa - Founder & President Emeritus   May 2017 - Present
- Founded HackIowa in order to cultivate a passionate hacker community at the University of Iowa
- Increased hackathon accessibility and provided students with new skills through workshops
- Extensively collaborated with other student organizations, namely ACM and IEEE
- Brought the University of Iowa from a MLH Overall Rank of #102 to a rank of #7 in two semesters

Projects

Glean Fields - HackISU, Ames, IA   October 2018
- Winner of "Best in Food Security"
- Integrated John Deere Developer APIs using cloud technology in order to create a React Native mobile app to connect farmers with non-profits and help reduce food wastage

Intelligent Transplants - HackIllinois, Urbana, IL   February 2018
- Winner of "Head in the Clouds" and "Making Sense out of Complicated Clinical Information"
- Developed a healthcare analytics project tailored towards connecting organ donors with recipients
- Used React, Express.js, Google Cloud Platform, Firebase, and Flask

DiaMetrics - ArchHacks, Saint Louis, MO   October 2017
- Winner of Best Diabetes Hack and $250
- Created an Angular web app to simplify diabetes care and glean health insights from blood glucose data
- Made using Angular, Bootstrap, Django, TypeScript, and AWS EC2 as part of a four-person team

MedManager - ArchHacks, Saint Louis, MO   November 2016
- Winner of Best Health Communications Hack and $500
- Made an Alexa skill to increase medication compliance among the elderly or memory-impaired
- Implemented using JavaScript, Node.js, and AWS Lambda as part of a three-person team

Skills

Languages: Python, Java, Ruby, C++, JavaScript, TypeScript, F#, Bash
Frameworks/Libraries: Django, Flask, Rails, Angular, React, React Native, Express.js, Loopback, Bootstrap
Technologies: Linux, AWS, Google Cloud Platform, Firebase, Gitlab CI Runner, MySQL, PostgreSQL, SSH, Git