

Yizhen Chen

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<https://sharedcare.io>

Education	B.S. Computer Science, The University of Iowa – 2015 – Dec. 2018
Honors and Awards	<p>The University of Iowa Fall 2017 Dean's List – Dec 2017</p> <p>The University of Iowa Spring 2017 Dean's List – June 2017</p> <p>UI International Scholars Award 2016 – Dec. 2016</p> <p>The University of Iowa Fall 2016 Dean's List – Dec 2016</p> <p>UI International Scholars Award 2015 – Dec. 2015</p>
Professional Experiences	<p>Research Assistant – 2016 – Present</p> <p><i>The University of Iowa, Department of Radiation Oncology</i></p> <ul style="list-style-type: none">- Completed research on computer technology for medical usage- Applied cloud computing and OCR technique on medical researches <p>Research Assistant – Sept. 2017 – Dec. 1</p> <p><i>The University of Iowa, Department of Computer Science</i></p> <ul style="list-style-type: none">- Completed research on debugging and restoring DEC PDP-8- Checked and replaced all bad diodes of ALU- Made the memory buffer work properly
Research Projects	<p>PDFOCR: PDF Medical File Scanner – Sept. 2017 – Present</p> <p><i>The University of Iowa, Department of Radiation Oncology</i></p> <ul style="list-style-type: none">- Used pyOCR and tesseract OCR to read medical PDF files- Combined with nature language processing to reformulate the text into readable excel tables <p>Cloud API: Knowledge Sharing in Medicine – Feb. 2017 – June 2017</p> <p><i>The University of Iowa, Department of Radiation Oncology</i></p> <ul style="list-style-type: none">- This API is to share an algorithm in medicine using serverless framework- Used AWS Lambda and API Gateway for clouds computing- Built an algorithm using natural language processing to standardize medical terms
Other Projects	<p>Events Map (Hawk Events) – Sept. 2017 – Present</p> <ul style="list-style-type: none">- An iOS App to show all nearby events on map- Designed and implemented the front-end- Used Facebook SDK to add social functions
Technical Skills	<p>Languages: Python, Java, C, C#, HTML/CSS/JavaScript, PHP, swift</p> <p>Platforms: Windows, macOS, Linux, iOS, Windows Phone</p> <p>Other: Amazon Web Service, TensorFlow, Xcode, Photoshop, ReactJS</p>