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# YU-LIN YANG

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## EDUCATION

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<b>Madison, WI</b>	<b>University of Wisconsin – Madison</b>	<b>Fall 2016 – Fall 2019</b>
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- B.S. in Computer Science and Computer Engineering. GPA: 3.6.
- Coursework: Artificial Intelligence, Data Structures, Machine Organization and Programming, Digital System Design and Synthesis, Calculus III.

## EXPERIENCE

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<b>Software Engineer, Intern</b>	<b>MAGIX Software GmbH</b>	<b>Summer 2017</b>
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VEGAS Pro 15

- Developed workflow enhancement features for the flagship product in C++ and C# that resulted in an increase of 20% retention rate among over 110,000 active users.
- Created the ability to Selectively Copy & Paste Event Attributes, automatically Swap All Proxy Footage, Freeze Frame at Cursor, and Heal Split Events that reduced overall video editing workflow time by 15%.
- Practiced Agile and Scrum Methodologies, attended daily stand-ups, and experienced a full development & release cycle.

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<b>Site Product Manager</b>	<b>Transcend Madison</b>	<b>Fall 2016 - current</b>
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- Led a team of 4 student engineers on the revamping of the Transcend Madison website, the biggest student ran innovation competition in the United States.
- Formulated the focus and branding of the organization based on student and faculty feedback.
- Coordinated with deans of the College of Engineering and professors of the Wisconsin School of Business to cosponsor events which increased website traffic by 40%.

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<b>Software Engineering Summit, Intern</b>	<b>Capital One Bank</b>	<b>May 2017</b>
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- Created a chat bot in Slack to query all of the intern's information and backgrounds using API.AI.
- Worked as a team of 4 to develop mock Banking App in Swift that "gamifies" banking.
- Focused on creating frontend skeleton app by adhering to iOS MVC design patterns.

## PROJECTS

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- **Chicago Crime & Bad Neighborhood Predictor** (2017). Supervised machine learning model using AWS ML to predict where crime may occur in Chicago using data sets provided by the City of Chicago Data Portal.
  - **Yelp Food Recommender** (2017). Seamless and quick food recommender using HTML5 geolocation and Yelp's Fusion API. Node.js, Express.js, Heroku.
  - **Amazon Echo Healthcare Assistant** (2017). Alexa-enabled assistant to access sample healthcare data which then creates and outputs statistical graphs directly to the user's desktop. AWS, Alexa Skills kit, ngrok, Flask.
  - **Personal Website** (2017). Portfolio site to exhibit my character, personality, and past experiences. Built from scratch in HTML, CSS, Javascript, and Bootstrap.

## ADDITIONAL EXPERIENCE AND AWARDS

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- **Winner, Capital One Software Challenge:** Won the MindSumo challenge to create a food recommender using Yelp's fusion API, over 200 submissions.
  - **1<sup>st</sup> Place, MadHacks Hackathon 2017:** Developed a blockchain solution using Hyperledger to empower health patients with control while maintaining the security and immutability of medical records.
  - **Macbook Technician & Dealer (2014-2016):** Launched personal business negotiating, repairing, and selling MacBooks via Craigslist and eBay, accruing over \$18,000 in revenue.
  - **Scholarship, University of Wisconsin: College of Engineering**

## Languages and Technologies

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- Java; Swift; C++; C#; JavaScript; Node.js; Git; Perforce; Verilog;
  - Visual Studio; XCode; Eclipse; Modelsim;
  - English – native; Mandarin Chinese – fluent;