Arthur K. Zhang

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Present Address	**Permanent Address**
3618 Lewis House Duffield St.	6330 Bollinger Rd.
Ann Arbor, MI 48109	San Jose, CA 95129

Education

University of Michigan, Ann Arbor, MI   *Expected Graduation, June 2022*
Major in Computer Engineering GPA: 3.925

Lynbrook High School, San Jose, CA   *June 2018*
Unweighted GPA: 4.0
Relevant Coursework: AP Computer Science (5), AP Calculus BC (5), AP Statistics (5), AP Physics: Mechanics (5)

Work Experience

Clinc (Software Developer Intern)   *June - August 2018*
- Clinc is a series-c software startup that develops conversational AI technology for enterprises
- Built significant platform features on Spotlight AI training platform across the full web stack
- Designed an end-to-end automated testing infrastructure for the Spotlight AI training platform

Extracurricular Activities

University of Michigan Spark Electric Motorcycle Racing Team   *August 2018 - Present*
- Designed and built out telemetry system gui for displaying live motorcycle location on minimap, speed, tilt, etc.
- Developed sensor fusion algorithm on Arduino system to improve accelerometer/gps sensor data accuracy

Founder and CTO of Backlyncs.   *June 2017 - August 2018*
- Website Creator and Technical Advisor
- Backlyncs. is a non-profit startup for connecting underprivileged, talented high school students to companies through website design contests

Lynbrook FIRST Robotics, San Jose CA   *September 2016 - June 2018*
- Vice President of Lynbrook Robotics Club. World Champs FIRST Robotics team.
- Designed multi-stage robot climbing system with four stage gearbox, integrated computer vision for automated game piece intake, led technical workshops for high school robotics students on CAD design and Mechanical systems

Projects (https://github.com/KingArthurZ3)

Mr. MarketWatch (https://github.com/KingArthurZ3/MrMarketWatch)
- A collection of ML models that analyze stock market technical data and recommend specific stocks to buy based on their predicted profit/loss ratio. Written in Python with Tensorflow Backend.

Fashion-mnist (https://github.com/KingArthurZ3/fashion-mnist)
- A Convolutional Neural Network that recognizes images of clothing and classifies them by clothing type. Written in Python with Tensorflow Backend.

Sentiment Reviewer (https://github.com/KingArthurZ3/sentiment-reviewer)
- A Neural Network written that determines whether a user likes or dislikes a business by using NLP to process their reviews. Written in Python with Sci-kit learn.

Breast Cancer-Analyzer (https://github.com/KingArthurZ3/breastcancer-detector)
- A Random Forest Classifier Model that analyzes features in breast cancer diagnoses to determine if it is malignant or benign. Written in Python with Sci-kit learn.