

1000 Virginia Avenue  
Columbia MO 65211  
(816)-695-5541

**DAVID HUANGAL**  
[dbhuangal1204@gmail.com](mailto:dbhuangal1204@gmail.com)

Github:  
[github.com/davidhuangal](https://github.com/davidhuangal)

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## EDUCATION

<b>Columbia, MO</b>	<b>University of Missouri</b>	<b>Fall 2016 – May 2020</b>
	Bachelor of Science in Computer Science (Minor in Mathematics) Hours Completed: 57 In-Major GPA: <b>3.5</b>	

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## PROJECTS

- **Convolutional Nets:** Implemented convolutional neural networks on both the MNIST image dataset and the CIFAR10 image dataset using Python and Keras.
- **Dating Survey:** Implemented KNN classifier using Scikit-Learn to predict whether or not someone would get a second date based on a few questions. Based on a Kaggle dataset about speed dating results. (In progress: creating a web application using Flask to take the survey and return the results).
- **Cholesky Factorization:** Wrote simple Matlab/Octave to compute the Cholesky factor of a symmetric, positive definite matrix.
- **Doctor's Appointment Booking System:** This program simulated reserving an appointment on a day in a given month for a doctor's visit. The user could schedule an appointment as long as it was open. There was also an admin log-in feature where an administrator could see the amount of revenue made in a particular month or remove appointments if necessary.
- **See Github for more:** [github.com/davidhuangal](https://github.com/davidhuangal)

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## EXTRACURRICULAR INVOLVEMENT

- **Mizzou Computing Association:** Currently participating in the Machine Learning SIG.
- **TigerHacks:** Director of sponsorship for the university's annual hackathon: TigerHacks.
- **Concert Chorus:** Performed in this audition-based choir in Spring 2017 and Fall 2017.

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## SOME RELEVANT COURSEWORK

- Algorithm Design, Object Oriented Programming, Database, Software Engineering
- Calculus I-III, Discrete Math, Numerical Linear Algebra, Intro to Mathematical Stats using Calculus

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## OTHER INTERESTS

- Machine Learning
- Mathematics

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## LANGUAGES AND TECHNOLOGIES

- Python, C, Java, JavaScript, Matlab/Octave
- Scikit-Learn, Keras, NumPy, Flask, Node.JS/Express
- MySQL

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## OTHER SKILLS

- Basic fluency in Spanish.