

## Alex Korman

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### EDUCATION

Vanderbilt University (Transfer)  
Transfer GPA in Major: 4.0 / 4.0  
BS in **Computer Science**  
Minor(s) in *Engineering Management*,  
*Math*, *Philosophy*  
Expected Graduation: 2022

### RELEVANT COURSEWORK

- Machine Learning with Deep Neural Networks
- Intermediate Software Design • Linear Algebra
- Digital Systems • Discrete Structures
- Data Structures • Full-Stack Web Dev. • Intro. to Mechanical Engineering

### SKILLS

Python • Tensorflow • C++  
Javascript • HTML • CSS

### TOOLS

Github • AI Gym • SciKitLearn • Numpy •  
Pandas • MatPlot • React Native • Firebase • Creo  
Parametric • AutoCad

### ACHIEVEMENTS

- Whitman College Abshire Faculty/Student Research Award
- Undergraduate Honors for the 2018-19 school year with Academic Distinction both terms

### EXTRACURRICULARS

- **Developer at [Change++](#), building software solutions for non-for-profits.** Currently programming a mobile application to provide formerly incarcerated persons w/ a toolkit for adjusting and succeeding in life after prison.
- [Vandy Apps](#) • Cellist, chamber music group

### INTERESTS

AI, MechE, cello and guitar, basketball (former D3 player), bouldering, cooking

### RESEARCH

#### **Robotics and Autonomous Systems Laboratory**

Research Assistant | Sept. 2019 - Current | Nashville, TN

- Created program to clean and process E4 wristband data. Built neural network that predicts stress in subject with 89% accuracy.
- Lab is creating a virtual environment for people with autism to take interviews. Intended to mitigate anxiety and increase employment within the community.

#### **Abshire Award**

Research Assistant | Jan. '19 - May '19 | Walla Walla, WA

- Conducted deep reinforcement learning policy optimization, pre-seeding neural networks with Dr. Rohan Loveland ([lovelarc@whitman.edu](mailto:lovelarc@whitman.edu))

### RELEVANT EXPERIENCE

#### **Google Computer Science Summer Institute**

Member | July 2018 - August 2018 | Venice, CA

Selected to participate in an intensive software engineering course taught by Google engineers covering full-stack web app development using Python, JavaScript, HTML, CSS, and Google AppEngine.

#### **Gapingvoid Culture Design Group**

Intern | June 2015 - Current | Miami, FL

- Wrote copy for the daily email (50,000+ subscribers).
- Notable readers include Tony Hsieh, CEO Zappos, Seth Godin, author, and Dr. Leonard Schlesinger, Baker Scholar Harvard University
- Managed the company's Twitter account (100K followers)
- Designed banner ads displayed in the daily emails of New York Times, Wall Street Journal, and other papers
- On-going special projects and copy editing

#### **Nextiva**

Intern | July 2017 - August 2017 | Scottsdale, AZ

- Built web scraper to compile the data on competing VoIP, reducing the process by 2+ hours
  - Analyzed and reported on competitor product defects that were used as research references for the CRM development team at Nextiva
  - Learned, applied Search Engine Optimization (SEO) techniques
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