

# Conlon Novak

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## EDUCATION

### Carnegie Mellon University

Master of Human-Computer Interaction

B.S. in Information Systems and Human-Computer Interaction

Minor in Film and Media Studies

*Dean's List, Honors\* or High Honors: F16, S17, F18, S19\*, F19, S20 Semesters*

Pittsburgh, PA

December 2020

May 2020

3.74/4.00 QPA

## SKILLS & COURSES

### Programming Languages, Frameworks, and Software

Python, HTML, JS, CSS, React, Flask, Ruby on Rails, Adobe Suite, Java, MongoDB, SQL, Docker, C++

### Relevant Courses

mHCI Capstone (Client: GovTech Startup), IS Consulting Project (Client: Holocaust Center of Pittsburgh), Application Design and Development, Interaction Design Studio, Programming User Interfaces, User-Centered Research and Evaluation, Imperative Computing

## INTERNSHIP EXPERIENCE

### Accenture, Technology Development Program

Boston, MA

*Advanced App Engineering Analyst*, RPA and Machine Learning

June - August 2019

- Designed and developed internal automation tools that will save ~90 effort hrs/year for the RPA Value Team
- Assembled, cleaned, and classified a dataset of 1,700 inputs to support a machine learning (ML) proposal
- Proposed a statistical model to classify semi-structured inputs per their alignment with client goals

### Software Engineering Institute, Tactical Technologies Group

Pittsburgh, PA

*Full Stack Development Intern*, Video Summarization

May - August 2018

*Machine Learning Technical Intern*, Video Summarization

May - August 2017

- Developed and styled an internal web application to automate TTG's Video Summarization (VidSumm) pipeline, which allowed non-experts to analyze video datasets using pre-trained and containerized ML algorithms
- Implemented machine learning algorithms for real-time activity detection in UAV surveillance video

## STUDENT ENGAGEMENT & RESEARCH EXPERIENCE

### CMU Office of First-Year Orientation, Orientation Staff

Pittsburgh, PA

*Head Orientation Counselor (HOC)*, Donner House

December 2018 - August 2019

*Orientation Leader (OL)*, Donner House

March - August 2018, 2020

*Orientation Counselor (OC)*, Donner House

April - August 2017

- Designed, implemented, and facilitated over 80 hours of Orientation training for 130 staff members in preparation for ~300 academic, developmental, social, and cultural events over the nine-day program
- Implemented a daily feedback collection system that facilitated next-day responses and long-term analysis
- Transitioned 250+ staff and campus partners from ad-hoc messaging solutions to a Slack workspace

### Human-Computer Interaction Institute, The ArticulaLab

Pittsburgh, PA

*Lead Intern for Science Annotation*, Cultural EduTech

October 2016 - May 2017

- Designed a linguistic annotation scheme for science reasoning features that achieved high inter-rater reliability
- Implemented a pictorial pre- and post-test evaluation application for elementary school students in Python

## EXTRACURRICULAR ACTIVITIES

- **Phi Beta Kappa Honors Society**, Upsilon Chapter, *Member* 2020-Present
- **Mortar Board Senior Honors Society**, Eta Chapter, *Member* 2019-Present
- **CMU Oakland Review Literary Journal**, *Prose Editor and Executive Board Member* 2016-Present
- **Competed in 10 Hackathons** and received 8 sponsor and performance awards 2016-Present
- **CMU Information Systems Dept. TA**, 67-262 *Database Design and Dev. Teaching Assistant* 2018
- **CMU Alpine Racing and Freestyle Team**, *Slalom and Giant Slalom Ski Racer* 2017-2018
- **FIRST Robotics Competition Team 4150**, *Vice President and Programming Team Lead* 2012-2015