Conlon Novak

ConlonNovak@cmu.edu | (412) 402-8888 | ConlonNovak.com

EDUCATION

Carnegie Mellon University — Pittsburgh, PA
Bachelor of Science, Information Systems — May 2020
Additional major in Human-Computer Interaction — 3.66/4.00 QPA
Minor in Film and Media Studies
Dean's List, Honors* or High Honors: F16, S17, F18, S19* Semesters

SKILLS & COURSES

Programming Languages, Frameworks, and Software
Python, HTML, JS, CSS, React, Flask, Ruby on Rails, Adobe CC, Java, MongoDB, SQL, Docker, C++

Relevant Courses
IS Consulting Project, Interaction Design Studio, Programming UIs, User-Centered Research and Evaluation

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 ~87 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
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 ArticuLab — 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

- **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, e.g. — 2016-Present
    - Football Explained—beginner-friendly sportscasting audio feed, **1st Place**, *Deloitte StudioJam CMU*
    - Babble—self-propagating offline mobile messaging app, **Top 30 Hack, 3 Sponsor Awards**, *PennApps XVIII*
    - Teach Tiles—interactive augmented reality educational resources, **DUO Education Award**, *HackCMU*
- 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