

Conlon Novak

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EDUCATION

Carnegie Mellon University

Bachelor of Science, Information Systems

Additional major in Human-Computer Interaction

Minor in Film and Media Studies

Pittsburgh, PA

May 2020

3.66/4.00 QPA

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

SKILLS & COURSES

SOFTWARE AND PROGRAMMING LANGUAGES

Proficient: **Python, HTML, JS, CSS, React**, Ruby, Rails, MongoDB, SQL, Docker, Flask

Familiar: C++, Java, Android Studio, Vue.js, Redis, LabVIEW, Visual Basic, Haskell

RELEVANT COURSES

IS Consulting Project, Interaction Design Studio, Programming UIs, User-Centered Research and Evaluation, Principles of Imperative Programming, Great Theoretical Ideas in CS (Leap@CMU 2014)

INTERNSHIP EXPERIENCE

Accenture, Technology Development Program

Boston, MA

Advanced App Engineering Analyst, RPA and Machine Learning

Summer 2019

- Worked with the RPA Value team to develop internal automation tools to save ~87 effort hrs/year
- Assembled, cleaned, and curated a data set of 1,700 classified inputs to support an ML proposal
- Created a statistical model to classify semi-structured inputs per their alignment with client goals

Software Engineering Institute, Tactical Technologies Group

Pittsburgh, PA

Machine Learning Technical Intern, Video Summarization

Summer 2017, 2018

- Implemented machine learning algorithms for object recognition, motion tracking, and superframe segmentation to highlight relevant segments of surveillance video for human operators in real-time
- Developed and styled a Flask-based web application to automate TTG's ML pipeline, allowing inexperienced users to quickly analyze videos with containerized machine learning algorithms

WORK & VOLUNTEER EXPERIENCE

CMU Office of Orientation Programming, Orientation Staff

Pittsburgh, PA

Head Orientation Counselor (HOC), Donner House

December 2018 - Present

Orientation Leader (OL), Donner House

March 2018 - August 2018

Orientation Counselor (OC), Donner House

April 2017 - August 2017

- As HOC, designs, implements, and leads over 80 hours of Orientation training in preparation for ~200 academic, developmental, social, and cultural events over the course of the nine-day program
- Over 1,000 total hours training for and working with incoming first-year CMU students
- Maintains centralized DBMS that ensures the accuracy and accessibility of over 5,000 records
- Transitioned the 250+ person staff from ad-hoc messaging solutions to a structured 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 Strong Scientifically-Reasoned Arguments (SSRAs) that allowed annotators to achieve high inter-rater reliability (Individual Features: $\kappa > .7$, SSRAs: $\kappa = .92$)
- Implemented a Python-based non-verbal data collection application for elementary school students

EXTRACURRICULAR ACTIVITIES

- **Mortar Board Senior Honors Society** Eta Chapter, *Member*, 2019-Present
- **Competed in 8 Hackathons** and won 7 sponsor and performance awards, including:
 - Babble offline messaging platform, **Top 30 Hack**, **3 Sponsor Awards**, **PennApps XVIII**, 2018
 - Teach Tiles augmented reality educational resources, **DUO Security Award**, **HackCMU**, 2016
- **CMU Information Systems Dept. TA**, 67-262 Database Design and Dev. *Teaching Assistant*, S18
- **CMU Alpine Racing and Freestyle Team**, *Slalom and Giant Slalom Ski Racer*, 2017-2018
- **CMU Oakland Review Literary Journal**, *Prose Editor and Executive Board Member*, 2016-Present
- **FIRST Robotics Competition Team 4150**, *Vice President and Programming Team Lead*, 2012-2015