

Conlon Renze 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

Technology Summer Analyst

Boston, MA

Summer 2019

Software Engineering Institute, Tactical Technologies Group

Machine Learning Technical Intern, Video Summarization

Pittsburgh, PA

Summer 2017, 2018

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

WORK & VOLUNTEER EXPERIENCE

CMU Office of Orientation Programming, Orientation Staff

Head Orientation Counselor (HOC), Donner House

Orientation Leader (OL), Donner House

Orientation Counselor (OC), Donner House

Pittsburgh, PA

December 2018 - Present

March 2018 - August 2018

April 2017 - August 2017

- As HOC, designs and implements the Orientation program while working closely with university leadership, campus organizations, and residential education staff to orchestrate Orientation staff selection, training, and O-Week programming
- In total, over 800 hours training for and working with incoming CMU first-years to create a welcoming and supportive social environment that will successfully transition them towards academic success

Human-Computer Interaction Institute, The ArticulaLab

Lead Intern for Science Annotation, Cultural EduTech

Pittsburgh, PA

October 2016 - May 2017

- Designed science reasoning annotation schemes and post-experiment data collection application to analyze the effect of dialectic code-switching in educational virtual peers on elementary students

SELECT PROJECTS & AWARDS

- *Babble* offline messaging platform, **Top 30 Hack, 3 Sponsor Awards, PennApps XVIII** 2018
- *TrailerVR* hybrid AR/VR movie metadata viewer, **1st Place Grand Prize, Hack112** 2016
- *Teach Tiles* augmented reality educational resources, **DUO Security Award, HackCMU** 2016

EXTRACURRICULAR ACTIVITIES

- **Mortar Board Senior Honors Society** Eta Chapter, *Member*, 2019-Present
- **CMU Information Systems Department**, 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