Conlon Novak

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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

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
- Assembles, cleans, and curates a data set of relevant inputs to support machine learning efforts
- Creates a statistical model to classify collections of semi-structured inputs aligned with client goals
- Works with the RPA team to develop internal automation tools to save time and generate value

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 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   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 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 ArticuLab   Pittsburgh, PA
Lead Intern for Science Annotation, Cultural EduTech   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
- *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