**Alexandra Feldman**(386) 538-0287 || [a.feldman@ufl.edu](mailto:a.feldman@ufl.edu)

**EDUCATION**

**The University of Florida, Herbert Wertheim College of Engineering *Gainesville, FL*** *Bachelor of Science in Environmental Engineering Expected May 2022*

*Minor in Sustainability and the Built Environment*  GPA 3.75/4.00

* Recipient of National Merit Scholarship and Benacquisto Scholarship
* University Honors Program

**Flagler Palm Coast High School, International Baccalaureate Program *Palm Coast, FL***

*International Baccalaureate Diploma Recipient*  *May 2018*

**EXPERIENCE**

**UF Watershed Ecology Lab  *Gainesville, FL***

***Advisors: Dr. David Kaplan and Sharmin Siddiqui, PhD candidate***

*Research Assistant March 2019 – Present*

* Meta-analysis of mercury accumulation in the Amazon River Basin

**City Hall of Palm Coast *Palm Coast, FL***

*Stormwater Engineering Intern December 2019 – January 2019*

* Conducted hydrologic analysis of historic reclaim water usage data to determine whether current storage is adequate, and to estimate future growth in population and demand

*Utility Engineering Intern May 2019 – August 2019*

* Conducted hydraulic analysis of PEP tank system using Microsoft Excel, ArcMap GIS Pro, and manual data collection
* Calculated storage capacity and refuse soil volume for proposed stormwater retention pond
* Drafted design for future Spray Field to RIB (Rapid Infiltration Basin) site conversion
* Drafted FDOT-compliant parking expansion for baseball fields at Indian Trails Sports Complex, presented to City Council
* Participated in site visits, construction surveying, and field data collection

*Urban Forestry Intern*  *December 2018 – January 2019*

* Wrote submission for FLEPPC’s Kathy Craddock Burks Education Grant for C.H.I.R.P. (“Children Helping in Resource Protection,” a local youth program) to teach students about invasive plants, including lesson plan with supplemental materials, and created surveys to evaluate success (grant later awarded)
* Drafted and sent letters to tree trimmers for new and renewing contracts; created flyers for tree trimming classes
* Assisted with tree data collection, and with writing for Friends of the Urban Forest Award and Tree City USA Growth Award

*Fire Intern*  *July 2018 – August 2018*

* Wrote Flood Comprehensive Emergency Management Plan for the City fire department, collaborating with City engineering, floodplain, and stormwater management departments
* Co-created informational display on marine pollution and sustainability, presented at Intracoastal Waterway Cleanup

**LEADERSHIP & INVOLVEMENT**

**Emerging Leaders in Science Policy and Advocacy (ELISPA)** ***Gainesville, FL***

*Member and Competitor January 2019 – Present*

* Co-wrote policy memo for reducing food waste, presented to state and federal lawmakers; awarded conference travel grant
* Traveled to ELISPA Southeast Regional Conference on science communication

**Community Weatherization Coalition**  ***Gainesville, FL***

*Energy Coach January 2019 – Present*

* Conducted free home energy audits for Gainesville residents and supplied them with energy conservation resources
* Assisted with data input

**Geocaching Club**  ***Gainesville, FL***

*Treasurer*  *August 2018 – Present*

* Preserved the environment through nature cleanups and GPS-based puzzle solving

**Student Compost Cooperative**  ***Gainesville, FL****Volunteer August 2019 – Present*

* Worked in the community garden, maintained the compost bins, and educated future volunteers about how to use the facilities

**American Society of Civil Engineers**  ***Gainesville, FL****Member August 2018 – Present*

* Gained guidance and support from fellow engineering students and professionals in the field

**SPECIAL SKILLS**

* **Languages:** 
  + English
  + Russian (native)
  + Spanish (limited proficiency)
* **Field sketching & botanical illustration**
* **Software:** 
  + AutoCAD
  + REVIT
  + Microsoft Office Suite
  + Adobe Photoshop
  + Mission Communications
  + ArcMap GIS Pro (limited proficiency)