# Form I-983 — Training Plan for STEM OPT Students (Draft)

## Section 1: Student Information

Name: Edward [Last Name]

Student Email Address: [edward.email@example.com]

Name of School Recommending STEM OPT: [University Name]

Name of School Where STEM Degree Was Earned: [University Name]

SEVIS School Code: [e.g., NYC214F00000000]

Designated School Official (DSO): [Name, Email, Phone]

Student SEVIS ID Number: N0000000000

STEM Degree: Master of Science in Energy and Environmental Management

CIP Code: 14.3501 (Energy Systems Engineering) — confirm DHS STEM list

Level/Type of Qualifying Degree: Master’s

Date Awarded: [Month Day, Year]

Employment Authorization Number: [xxx-xxx-xxx]

## Section 3: Employer Information

Employer Name: Ukubona LLC

Employer Address: [Ukubona LLC HQ address, Virginia]

Employer Website URL: [https://ukubona.app]

Employer Identification Number (EIN): [XX-XXXXXXX]

Number of Full-Time Employees in U.S.: [e.g., 3]

NAICS Code: 541715 (Research and Development in the Physical, Engineering, and Life Sciences)

E-Verify Number: [Ukubona’s E-Verify ID]

Name of Official Signing for Employer: Abimereki Muzaale

Title of Official: Founder & CEO

Telephone Number: [XXX-XXX-XXXX]

Email Address: [founder@ukubona.app]

## Section 5: Training Plan for STEM OPT Students

Employer Name: Ukubona LLC  
Site Name: Ukubona LLC (Remote + occasional on-site in Virginia/DC as needed)  
Site Address: [Address or “Remote Work” if applicable]  
Name of Official Supervising Student: Abimereki Muzaale  
Official Title: Founder & CEO  
Start Date of Employment: [MM/DD/YYYY]  
End Date of Employment: [MM/DD/YYYY]  
Hours per Week: 20+ (part-time) or 40+ (full-time)  
  
1. Student Role and Goals:  
Edward will serve as Energy Simulation Analyst, integrating energy systems modeling into Ukubona’s AI-driven health-tech and data science infrastructure. He will:  
- Develop Python-based models for renewable and distributed energy systems.  
- Simulate load balancing and compute-energy demand for AI workflows.  
- Integrate energy data into Ukubona’s existing services/energy-sim/ and apps/dashboard/ modules.  
- Co-author DOE and ARPA-E grant proposals targeting energy-health optimization.  
  
2. Relation to Degree:  
The role directly applies Edward’s graduate training in Energy and Environmental Management, leveraging coursework in energy systems modeling, environmental data analysis, and optimization methods.  
  
3. Specific Goals and Objectives:  
- Build simulation kernels for energy systems using agent-based modeling and stochastic processes.  
- Adapt health-risk Kaplan–Meier pipelines for energy reliability analysis.  
- Contribute to grant proposals with technical sections on energy modeling.  
- Produce open-source demonstration models for integration into Ukubona’s web dashboard.  
  
4. Employer’s Commitment:  
Ukubona LLC will provide:  
- Weekly supervision and review meetings.  
- Access to datasets, compute resources, and codebase.  
- Mentorship in grant writing, data science, and interdisciplinary modeling.  
  
5. Methods of Supervision:  
- Weekly Zoom meetings to review code and results.  
- GitHub pull request reviews for all contributions.  
- Use of /people/edward/learning-log/ for weekly progress documentation.  
  
6. Methods of Evaluation:  
- Monthly performance reviews against project milestones.  
- Quarterly deliverables: one simulation module, one grant contribution, one public demo.  
- Final evaluation at 12- and 24-month marks per DHS requirements.