

SSX360 CORP.

Key Personnel: Biographical Sketch

DOCUMENT	SSX360-BIO-0001
REVISION	A (supersedes: None)
DATE	2026-09-05
CLASSIFICATION	PUBLIC
DISTRIBUTION	Distribution unlimited. Public record.
RESPONSIBLE	Ryan James York, Founder & Chief Executive Officer

This public sketch follows the section order of the OSTP Biographical Sketch Common Form (OMB 3145-0279) so that a reviewer can compare it line by line with the certified sketch supplied with a proposal. The certified version, with the signed certification, is generated in SciENCv and submitted with each application.

1. IDENTIFYING INFORMATION

NAME	York, Ryan James
ORCID ID	0009-0007-5979-7949
POSITION TITLE	Founder & Chief Executive Officer; Principal Investigator, 2D carbon thin-film programme

2. ORGANIZATION AND LOCATION

SSX360 Corp. (Delaware corporation) • Honolulu, Hawai‘i, United States.

3. PROFESSIONAL PREPARATION

None.

4. APPOINTMENTS AND POSITIONS

Reverse chronological order by start date. Every titled position, paid or unpaid, is listed.

START	END	TITLE, ORGANIZATION, LOCATION
2024	present	Founder & Chief Executive Officer, SSX360 Corp., Honolulu, Hawai‘i
2019	2024	Chief Real Estate Officer, CPY Partners, Honolulu, Hawai‘i. Opened and ran the firm’s research and development wing, a quantitative investment team drawn from MIT and Northeastern University

5. PRODUCTS

5.1. Products most closely related to the research programme

1. R. J. York, “Resolving the Raman crystallite size turnover in nanocrystalline graphite with a synthetic benchmark”, preprint v2.0, 2026-09-05, 17 pp., claim status MODELLED. <https://ryanjamesyork.com/files/york-2026-raman-turnover-v2.0.pdf>. SHA-256 1a15d3be94756c91e47bd18e8c9be7c30ab2d7a0598b52a7b4515d33ef43ed02. DOI: pending repository deposit.
2. R. J. York, Finding 2026.2, synthetic Raman corpus for sp^2 carbon (MODELLED), released 2026-09-03. <https://ryanjamesyork.com/findings/2026/2>.
3. R. J. York, Finding 2026.3, learned inversion of carbon Raman spectra with declared failure modes (MODELLED), released 2026-09-03. <https://ryanjamesyork.com/findings/2026/3>.
4. R. J. York, Finding 2026.4, release gate and cryptographically provenanced research platform (MODELLED), released 2026-09-03. <https://ryanjamesyork.com/findings/2026/4>.
5. Matrix Scroll (<https://matrixscroll.com>), open-source provenance protocol and verifier. Software, Apache-2.0; PyPI package `matrixscroll`; current release 0.7.0.

5.2. Other significant products

1. MCV-1, Mandate Chain Verification: published criteria for machine authorization (criteria document with public verification registry), SSX360, 2026. <https://ssx360.com/mcv>.
2. The Space Order, criteria V1.0, document SSX360-CRITERIA-0001, issued 2026-08-25. <https://ssx360.com/criteria>.
3. R. J. York, Finding 2026.5, locked-tablet assessment (MEASURED), v1.1, 2026. <https://ryanjamesyork.com/findings/2026/5>.
4. Signed technical reports RPT_001–RPT_004, SSX360 Intelligence Log, August 2026. <https://ssx360.com/research>.
5. United States patent: encrypted hardware signing device on a secure element (inventor). Patent number and dates are given in the certified sketch.

6. CERTIFICATION

The certified sketch carries the common-form certification (accuracy and completeness of domestic and foreign appointments and positions; no participation in a malign foreign talent recruitment program; 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729–3733, 3802) with signature and date. This public copy was last reconciled with the certified sketch, ORCID, LinkedIn and ryanjamesyork.com/cv on 2026-09-05.

PREPARED BY	TITLE	DATE
Ryan James York	Founder & Chief Executive Officer	2026-09-05