George Kaplan

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Education

University of Maryland, College Park

Bachelor's of Science in Physical Sciences   2012 — 2016

  ▷ College Park Scholars: Science, Technology and Society

  ▷ Concentrations in Atmospheric and Oceanic Science, Chemistry, and Geology

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Experience

Nu-Tek Precision Optical Corporation

Engineer   2016 — present

  ▷ Developed and maintained a proprietary MATLAB toolbox for processing optical data.

  ▷ Automated administrative tasks with Python and PowerShell scripts.

  ▷ Created analytical and automation tools for manufacturing and metrology using Rust and C++.

  ▷ Compiled, designed, and typeset product certifications with LaTeX.

  ▷ Implemented organization-wide code style standards and version control with Git.

  ▷ Prototyped web applications for monitoring orders and planning tasks.

  ▷ Tracked order progress and maintained detailed task records in Wrike (project management tool).

  ▷ Designed and optimized automated measurement programs using Zeiss CALYPSO.

The Research Foundation for SUNY

Innovation and Partnerships Intern   Summer 2014 and 2015

  ▷ Assisted in implementing the START-UP New York and Technology Accelerator Fund programs.

  ▷ Reviewed grant proposals to assess the feasibility and potential marketability of new technologies.

  ▷ Edited, compiled, and summarized legal documents for public distribution.

  ▷ Modelled the performance of a proposed venture capital fund using past financial data.

University of Maryland, College Park

Teaching Assistant   2014 — 2015

  ▷ Developed lesson plans and managed course logistics.

  ▷ Evaluated student performance and progress through weekly reflective writing assignments.

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Technical Skills

  ▷ MATLAB, Python 3, Rust, PowerShell, C/C++, Bash, JavaScript, LaTeX

  ▷ Git, FreeCAD, Zeiss CALYPSO, ZYGO MetroPro/Mx

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