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

- ▷ Specialized coursework: Computing and Data Analysis, Applied Probability and Statistics, Radiochemistry, Structure Determination Using Spectroscopic Methods, Inorganic Chemistry, Geophysics, Observational Geophysics, Atmospheric Physics and Thermodynamics, Dynamics of the Atmosphere and Ocean

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Experience

Nu-Tek Precision Optical Corporation

Production Engineer   2016 — present

- ▷ Developed and maintained 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 C and Golang.

- ▷ Compiled and typeset product quality certifications with LaTeX.

- ▷ Tracked order progress and maintained detailed task records in our project management software.

- ▷ Collected in-process and final part data using a Zeiss CMM and CALYPSO software.

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.

- ▷ Managed databases in Access, assessed new technologies for marketability and reviewed grant proposals.

- ▷ Reviewed legal documents, corrected errors and inaccuracies, and prepared briefs for public distribution.

- ▷ Created a detailed financial model in Excel and projected ROI for a proposed venture capital fund.

University of Maryland, College Park

Teaching Assistant   2014 — 2015

- ▷ Developed lesson plans, accounted for instructional materials, and managed course logistics.

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

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Software & Language Proficiency

- ▷ MATLAB, Python 3, PowerShell, Golang, C/C++, Bash, ES6, LaTeX

- ▷ FreeCAD, Autodesk Inventor, Creo Parametric/Pro Engineer, Zeiss CALYPSO, ZYGO MetroPro/Mx

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