

ELLIOT SNOW-KROPLA

PERSONAL DATA

ADDRESS: 3-524 RUNNYMEDE ROAD, TORONTO, ONTARIO, CANADA
PHONE: +1 902 981 5382
EMAIL: ELLIOT@EJSK.CA
WEBSITE: EJSK.CA

WORK EXPERIENCE

MAY 2019 - PRESENT	FOUNDER OF KLAVIERSOFT DESIGNED AND IMPLEMENTED SPONSORHUB.IO AND RUNWAYCALCULATOR.COM , INCLUDING FRONT-END (JS, BOOTSTRAP), BACK-END (FLASK), DATABASE (POSTGRES), CI & CD INFRASTRUCTURE (PYTEST, SOURCEHUT , DOCKER, HEROKU)
OCT 2018 - MAY 2019	SOFTWARE DEVELOPER AT PLATTERZ DESIGNED AND IMPLEMENTED RESTFUL APIS IN RAILS AS PART OF FAST-PACED AGILE SOFTWARE DEVELOPMENT TEAM
DEC 2017 - OCT 2018	MEDIA DATA SCIENTIST AT KCLICK HEALTH DESIGNED, DEVELOPED, AND MAINTAINED INTERNAL WEB-APPS PROVIDING REPORTING, MONITORING AND OPTIMIZATION INFORMATION TO THE MEDIA TEAM DEVELOPED MODELS TO OPTIMIZE BUDGET ALLOCATION ON \$100MM+ ACCOUNTS
MAY 2015 - NOV 2017	TECHNICAL COFOUNDER OF TWO AND THIRTY SOFTWARE RESPONSIBLE FOR PRODUCT DESIGN AND DEVELOPMENT, INCLUDING SHIPPING COMPLETE PRODUCT OVERSAW OUTSIDE PRODUCT DEVELOPMENT CONTRACTS FOR \$60,000 IN REVENUE
OCT 2014 - APR 2015 2011 - 2014 SUMMERS 2010 & 2011	SOFTWARE DEVELOPER AT QRA CORP TEACHING ASSISTANT, DALHOUSIE UNIVERSITY RESEARCH ASSISTANT IN THE J. PIERCE LAB, DALHOUSIE UNIVERSITY

EDUCATION

AUG 2014 **MASTER OF SCIENCE IN PHYSICS, Dalhousie University, HALIFAX**
THESIS: “**Compiling Programs for an Adiabatic Quantum Computer**”
SUPERVISOR: PROF. J. KYRIAKIDIS

MAY 2011 **BACHELOR OF SCIENCE IN PHYSICS, Dalhousie University, HALIFAX**
First Class Honours, Dean’s List, Sexton Scholar

SKILLS

DATA MODELLING AND ANALYSIS: SQL, SCIKIT-LEARN, TENSORFLOW, MATPLOTLIB, SCIPY, JUPYTER
MACHINE LEARNING TECHNIQUES: LINEAR MODELS, LOGISTIC REGRESSION, SVM, ANN, CNN, DECISION TREES, RANDOM FORESTS
GENERAL PROGRAMMING: PYTHON, C, C++, FORTRAN, C#, JAVA, RUBY, GO, RUST
SOFTWARE & TOOLS: DOCKER, GIT, POSTGRESQL, FLASK, RAILS, LABVIEW

PUBLICATIONS

SNOW-KROPLA, E. J., PIERCE, J. R., WESTERVELT, D. M., AND TRIVITAYANURAK, W.: *Cosmic Rays, aerosol formation and cloud-condensation nuclei: sensitivities to model uncertainties*, *ATMOS. CHEM. PHYS.*, 11, 4001-4012, [HTTPS://DOI.ORG/10.5194/ACP-11-4001-2011](https://doi.org/10.5194/acp-11-4001-2011), 2011.

OUTREACH

PARTICIPATED IN “PHYSICS FUN AND DISCOVERY DAYS” OUTREACH PROGRAM FOR CHILDREN IN GRADES 6-12, INCLUDING:

PLANETARIUM SHOWS | USED THE HALIFAX PLANETARIUM TO SHOW STUDENTS TOPICS IN ASTRONOMY, ASTRO-PHYSICS AND ANCIENT MYTHOLOGY

LIQUID NITROGEN SHOWS | USED LIQUID NITROGEN TO DEMONSTRATE HOW MATERIAL PROPERTIES CHANGE AT A RANGE OF TEMPERATURE SCALES INCLUDING SUPERCONDUCTIVITY, CONDENSING LIQUID OXYGEN, AND MAKING A SALAD WITH A HAMMER

DISCOVERY ROOM | GAVE STUDENTS HANDS-ON ACTIVITIES THAT DEMONSTRATE PHYSICAL PRINCIPLES SUCH AS FREEZING MOTION WITH A STROBE LIGHT, MEASURING ELECTRICAL SIGNALS OF THE HEART, AND ACOUSTICS OF THE VOICE