Developer@SICK

DRAFT Developer@SICK

Skill Relevant SIA

Training

Comment

Developer@SICK | General general profile for all developers

Work safety

Laser

protection

Electrical

safety

Different based on the cluster $\!\!\!/$ area the person in working at

There is already one profile "Developer@SICK | Occupational

Safety @Autonomous Perception" including:

Protection of artificial optical radiation (Schutz vor

optischer Strahlung)

Electrical safety - Working with electrical equipment -

Basic (Elektrische Sicherheit)

Agile

Project

Manageme

nt

https://sia-online.

sick.com/sui

/itemDetail/57252

(E-Learning)

EDB Basic https://sia-online.

sick.com/sui

/trainingPlanDetail

/53063 (Training

plan with ELearnings

and one

Virtual classroom)

Development Database (for drawings, electrical plans, ...)

Jira Basics ELearning

coming

soon

Change

Manageme

nt

Product Change

management

already included in

EDB training plan

(see above)

Change

management in

general: https://siaonline.

sick.com/sui

/itemDetail/32001

Requireme

nts

Manageme

nt / Jama

Basics

https://sia-online.

sick.com/sui

/itemDetail/56507

(2,5 hours, virtual

classroom)

Matlab

Basic

e.g.: https://de. mathworks.com /learn/training

/matlabfundamentals.

html

Level: optional for Matlab users

Use of AI tools

See blogpost: Use of generative AI tools Organizational

Directive 2023/04

[Training in regards to Artificial Intelligence (AI):

https://sia-online.sick.com/sui/trainingPlanDetail/59112 (ELearning,

2,5 hours)]

Testing

general

not

specific

for

hardware

(Software

/Hardware

/System)

https://sia-online.

sick.com/sui

/itemDetail/46716

Product

Compliance

https://mosaicplus.

sick.com/x/8DteAg

Intellectual

Property

Einführung: https://sia-online.sick.com

/sui/itemDetail

/20288

Auffrischung: https:

//sia-online.sick.

com/sui/itemDetail

/79210

Developer@SICK | Electronics Additional profile for circuit developers

Xpedition

Designer -

Basics

https://sia-online.

sick.com/sui

/itemDetail/60339

Level: mandatory for all hardware developers

This training is designed to provide participants with an overview of Xpedition Designer's features, as well as Xpedition's EDB2 integration.

Xpedition

Designer -

Advanced

https://mosaicplus.sick.com/x/3ygHV

Level: optional for all hardware developers

Use Xpedition Designer extensions and features for efficient and productive schematic design.

Xpedition

Designer -

Constraint

Manager

https://sia-online.

sick.com/sui

/itemDetail/56567

Level: optional for advanced hardware developers In this training the participants will get an overview of the Xpedition Constraint Manager and its possible applications. In addition to the connections with the schematic and design application, useful practical applications for developers will be demonstrated using concrete design examples.

Xpedition -

Hyperlynx

external training,

please contact RD

/HDS for details

Level: optional for advanced hardware developers

Safety

Instruction

EMC

Laboratory

https://sia-online.

sick.com/sui

/itemDetail/24881

Level: mandatory for all developers wanting to perform EMC

tests on their own

Since this is a mandatory training, this training must be repeated every 12 months, otherwise the access authorization will expire. You will receive an automatic reminder from SIA after 11 months.

EMC for

```
Developers
```

https://mosaicplus.sick.com/x/1bMPH

Level: strongly recommended for all hardware developers

EMC for PCB Design

https://mosaicplus.sick.com/x/1bMPH

Level: optional for all hardware developers

...

LTSpice -

Basic

https://mosaicplus. sick.com/x/fYs3Lg

Level: optional for all analog hardware developers

Traning provided on request by Analog Devices, coordinated

by CEG Electronics.

LTSpice -

Advanced

https://mosaicplus.sick.com/x/fYs3Lg

Level: optional for advanced analog hardware developers

Training provided on request by Analog Devices, coordinated

by CEG Electronics.

Developer@SICK | FPGA/ASIC Additional profile for FPGA / ASIC designer

Version

Control

(GIT)

https://sia-online.

sick.com/sui

/itemDetail/51767

(Git Intro &

Overview, 1 day

training)

Mandatory for FPGA/ASIC Developer, depending on skill level

Docker https://sia-online.

sick.com/sui

/itemDetail/79143

(1 day training)

Recommended for FPGA/ASIC Developer, depending on skill

level

HDL Basics

(VHDL/

Verilog)

e.g.

https://plc2.com

/training

/professionalvhdl_

pw/

https://plc2.com

/training/compactverilog_

```
wo/
Mandatory for FPGA/ASIC Developer, depending on skill level
Python e.g. https://www.
doulos.com
/training/scriptinglanguages-
andutilities/
python/
Mandatory for FPGA/ASIC Developer, depending on skill level
FPGA/ASIC
Verification
e.g.
https://plc2.com
/training
/professional-vhdltestbenches-
andverification-
withosvvm
pw/
https://trias-mikro.
de/ausbildung
/modelsim-questacore-
hdlsimulation/
https://trias-mikro.
de/ausbildung
/modelsim-questacore-
advancedtopics/
Mandatory for FPGA/ASIC Developer, depending on skill level
General
Trainings
on AMD
FPGA,
Languages,
Tools &
Methodolo
gies
https://plc2.com
/training/
Optional / up on request
SICK has a general agreement with PLC2.
If any training out of PLC2 program is desired please contact
the ChipDesign group of Global R&D
Developer@SICK | Engineering Additional profile for mechanical engineering
ISO GPS
System:
Level 1
https://sia-online.
sick.com/sui
/itemDetail/88001
Basics
ISO GPS
System:
Level 2
```

```
tbd drawing reader
ISO GPS
System:
Level 3
tbd drawing creator
EDB 2.0
Full
Training
https://sia-online.
sick.com/sui
/trainingPlanDetail
/53063?context=8
Produkt Änderungsmanagement, EDB 2.0 Create & Release,
Stammdaten im SICK Konzern
glueing@
SI
CK
https://sia-online.
sick.com/sui
/trainingPlanDetail
/76054?
context=1&catId=7
7762&asId=0
Siemens
NX
tbd Siemens NX training will be supportet by CD/RDCAX
FloEFD
Grundlage
nschulung
https://sia-online.
sick.com/sui
/itemDetail/69138?
context=1&catId=5
6234&asId=0&tpId
=0&tpeld=0
thermal simulation SW
Ansys basic
training
tbd structural mechanic simulation
Developer@SICK | Optics Additional profile for optics developers
Optikdesig
nsoftware
Zemax -
Basic
Inhouse Training
https://www.tuercking.
de/neuigkeiten/
Basics
Optikdesig
ns oftware
Zemax -
```

Advanced

Inhouse Training

https://www.tuercking.

de/neuigkeiten/

Basics

Optikdesig

nsoftware

Speos

Inhouse Schulung

initiiert durch CEG

Optics

https://www.

cadfem.net/de/de

/shop

/weiterbildung

/seminareelearning

/elektromagnetik

/simulationoptischer-

systememit-

ansys-speos-

18322.html

Empfohlen

Weiterbildu

ngsseminar

"Optische

Systeme:

Design

und

Simulation"

https://photonicsb

w.de

/veranstaltungen

/veranstaltung

/weiterbildungssem

inar-optischesysteme-

designund-

simulation-

1586/

Optional

Further

Training

Seminar

"Advanced

Lens

Design"

https://photonicsb

w.de

/veranstaltungen

/veranstaltung

/further-trainingseminar-

advancedlens-

```
design-1678/
Optional
Weiterbildu
ngsseminar
Beleuchtun
gsoptik:
Entwicklun
g und
Anwendung
https://photonicsb
w.de
/veranstaltungen
/veranstaltung
/weiterbildungssem
inarbeleuchtungsoptikentwicklung-
undanwendung-
1454/
Optional
Developer@SICK | Software Additional profile for all software developers
Software
Design
x mandatory
Examples für externe Schulungen:
https://www.oose.de/seminar/methodisches-softwaredesignfuer-
entwickler-mit-uml/
Software
Architecture
https://sia-online.
sick.com/sui
/itemDetail/64403
(4 days training)
Software
Testing
x Grundlagen, z.B. ISTQB Certified Tester Foundation Level
Version
control
(Git)
https://sia-online.
sick.com/sui
/itemDetail/51767
(Git Intro &
Overview, 1 day
training)
Gitlab
Basics
Certification
x Übersicht: https://levelup.gitlab.com/pages/certifications
Empfehlenswert: https://levelup.gitlab.com/courses/gitlabwith-
```

git-essentials-certification-exam

Kostenlose Kurse (ohne Zertifikat): https://levelup.gitlab.com

/catalog?labels=%5B%22Type%22%5D&values=%5B%

```
22Course%22%5D
Cybersecur
ity Basics
https://sia-online.
sick.com/sui
/itemDetail/39408
(1 day training)
Docker https://sia-online.
sick.com/sui
/itemDetail/79143
(1 day training)
Kubernetes https://sia-online.
sick.com/sui
/itemDetail/62813
(4 hour training)
Developer@SICK | System Engineer Additional profile for all System Engineers (PEP 4.0)
(System
/Hardware)
Testing
Х
System
Engineering
https://sia-online.
sick.com/sui
/itemDetail/55451
Requireme
nts
Engineering
Short intro: https://
sia-online.sick.com
/sui/itemDetail
/55451 (3 hours)
Full training: https:/
/sia-online.sick.com
/sui/itemDetail
/54916 (3 days)
Cybersecur
ity Basics
https://sia-online.
sick.com/sui
/itemDetail/39408
(1 day training)
Jama
Advanced
https://sia-online.
sick.com/sui
New Employee Orientation • Welcome
to SICK!
```

Find upcoming dates for New Employee Orientation (NEO), helpful documents,

links, resources, and information to get you started.

New Employee Resources

Purpose

SICK is a growing and complex organization. During NEO, new employees receive important information about our company both globally and locally (who we are, how we are organized/structured, where to find certain information, etc.). Additionally, information is provided about the SICK Beyond Borders vision and strategy, the industries we serve, key business priorities, and, of course, The SICK Spirit culture.

In a world with so many choices, we are grateful you chose SICK. New Employee Welcome Sessions

November 2023 06.11.2023 Monday 07.11.2023 Tuesday 9:00 am - 12:00 pm CT 9:00 am - 12:00 pm CT Virtual December 2023 11.12.2023 Monday 12.12.2023 Tuesday 9:00 am - 12:00 pm CT 9:00 am - 12:00 pm CT Virtual January 2024 16.01.2024 Tuesday 17.01.2024 Wednesday 9:00 am - 12:00 pm CT 9:00 am - 12:00 pm CT Virtual

- History
- Leadership
- Structure
- Purpose, Mission, Vision, &

Strategy

- Culture
- 2 Leadership
- Structure
- 2023 SSC NA/PCA Priorities
- People and Places
- □ ACE Amazing Customer

Experience

Navigating Key Systems

SSC NORTH AMERICA & PCA

Contact Information

Human Resources

Stephanie Stanton Director, Human Resources 1-952-818-3156 Ria Kashani HR Manager – Talent Acquisition 1-952-829-4821 Jenny Fojas Sr. HR Information Systems Administrator 1-760-419-3193

Martin Naydenov HR Business Partner: PCA 1-952-818-3125 Andrew Tyler HR Business Partner: GUS 1-281-436-5132 Annie Pearson HR Business Partner: GUS 1-612-430-5912

Matt Jaeger **HR Manager, Business Partnerships: Canada** 1-289-695-5345 Natalie Pickens HR Compliance and Immigration Manager 1-281-436-5184

Jackie Engstrom Talent Program Manager 1-952-829-4857

Matt VanAhn Recruiter III 1-952-829-4732 Liza Griggs Recruiter II 1-952-818-3184

Brendan Harper HR Manager, Compensation 1-952-818-3181

Chris Bernard HR Manager, Benefits 1-952-829-4799

Mary Kifyak HR Specialist, Talent Acquisition 1-952-818-3198 Email: recruiting@sick.com or SSC05-PCA-HR@sick.com

Organization and People Development

Open Position Director, Organization and People Development Americas

Kim Meisinger Manager, People Development and Learning 1-952-829-4750 Joseph JK Kovasovic Talent Management and DEI Manager 1-281-436-5127 Tara Lindahl People Development & Learning Trainer 1-952-818-3138

Email: sick-university@sick.com

Information Technology

Monday-Friday 6:30 am-5:00 pm Central Time

Saturday - Sunday: Closed

After hours support is available for emergency

situations only.

Number: 1-952-818-3200

Email: GUS-ServiceDesk@sick.com Website: http://usguss00614:8080/

SICK Contact Information:

This is general contact information for SICK in the US and Canada. Please save it. You may want to enter some of the

information into your phone/contacts to have it handy.

Facilities

Dave McGinty (Director) All Locations 1-952-829-4885 Elliot Jacobson (Manager) Minneapolis, MN 1-952-446-0069 Taylor Lentner (Supervisor) Minneapolis, MN 1-952-829-4797 Mike LaRoche Bloomington, MN 1-952-829-4769 Robert Graham Houston, TX 1-281-436-5160 Chelcie Morency Boston, MA 1-781-302-2569

Front Desk

Sheri Bixby Bloomington, MN 1-952-941-6780 Beth Tade Minneapolis, MN 1-952-486-4455 Tiffany Fox Houston, TX 1-281-436-5196 Chelcie Morency Boston, MA 1-781-302-2569

Administrative Support

Anna Serino Bloomington, MN 1-952-818-8393

Ashley Weber Minneapolis, MN 1-952-486-4454 Kristen Nicholson Bloomington, MN 1-952-829-4788 Sandy Wilson Bloomington, MN 1-952-941-6780 Shannon Jacobson Houston, TX 1-281-436-5100 Tiffany Fox Houston, TX 1-281-436-5196

Customer Care

Jason Steinke Mgr., Commercial Customer Care 1-952-378-6347
Paul Wiltgen Mgr., Commercial Customer Care 1-952-818-3117
Bonnie Capien Supervisor, Sales Services 1-952-829-4878
Customer Service Email cs@sick.com
Inside Sales Email is@sick.com
Return Merchandise Authorization Email returns@sick.com
Payroll

Cindy Lukitsch 1-952-829-4763

Marketing

Dan Minnich 1-952-829-4711

Concur / Travel Expenses

Sue Moranz 1-952-829-4823

Bloomington Address

6900 West 110th Street 1-952-941-6780 Bloomington, MN 55438 Fax: 1-952-941-9287

Minneapolis Address

2601 American Boulevard East 1-952-486-4455 Bloomington, MN 55425 Fax: 1-763-486-4414

Houston Address

5500 N Sam Houston Pkwy West, Ste 100 1-281-436-5100

Houston, TX 77086 Fax: 1-281-436-5200

Boston Address

800 Technology Center Drive, Suite 6 1-781-302-2500

Stoughton, MA 02072 Fax: 1-781-828-3150

Detroit Address

1250 Kirts Boulevard

Troy, MI 48084

San Francisco Address

47432 Fremont Blvd.

Fremont, CA 94538

Toronto Address

2 West Beaver Creek Road, Building 1-298-695-5300 Richmond Hill, ON L4B2N3, Canada Fax: 1-289-695-5313

Calgary Address

5255 McCall Way NE, #178 1-403-537-7455

Calgary, AB T2E 5S6 Canada

SICK AG

Erwin-Sick-Str. 1 +49 7681 202-0

79183 Waldkirch, Germany Fax: +49 7681 202-3863

Mosaic+ SICK Global Intranet https://mosaicplus.sick.com/#

SNAP SSC05 & PCA Intranet https://mosaicplus.sick.com/pages/viewpage.action?pageId=333045034

ADP

Benefits, Time & Attendance, PTO

Requests, Pay Stubs, Performance

Reviews

https://workforcenow.adp.com/public/index.html

SICK USA Employee

Handbook

Mosaic Page -> Select US Employee

Handbook -> Login to ADP -> Select

Employee Handbook Link

https://mosaicplus.sick.com/pages/viewpage.action?pageId=1645329675

GUS & PCA Org Charts

Organization Charts

ADP -> Myself -> Employment ->

Organizational Charts

https://workforcenow.adp.com/theme/index.html#/Myself/empOrganizationalChart

GUS & PCA Administrative

Services

Office Supplies, Meeting/Lunch

Requests

http://usgusxsharepoint.sickcn.net/gus/SharedServices/GUSADMINSVCS/SitePages/Home.aspx

Cisco Web Inbox Electronic Voicemail https://usguss00903.sickcn.net/inbox/

SICK Webmail

Microsoft Outlook

(when not on the SICK network)

https://outlook.office.com/mail/

IT Help Desk

IT Ticket Submission, Requests,

Solutions

https://userservice.sick.com/saw/ess

SICK USA website Product Information, Industry

Knowledge, SICK USA Blog, Social Media

http://www.sick.com

SICK U/Cornerstone On Demand Training http://sick.csod.com

SIAonline

On Demand Training

(Global Platform for Technical Training)

https://sia-online.sick.com/

WebEx Meeting Center, My WebEx http://sick.webex.com

CRM Help CRM Support

https://mosaicplus.sick.com/display/wsGUSCRM365/SSC05+CRM+Global+Homepage

Concur Travel & Expense Reimbursement http://www.concursolutions.com

SICK BEYOND BORDERS SICK Vision & Strategy to the year 2030

https://mosaicplus.sick.com/display/wsSBB#bf83403b-b395-4092-a59b-18b82fe7a693-414954875

SBB Strategy Networkers SBB Support for SSC05 & PCA

https://mosaicplus.sick.com/pages/viewpage.action?pageId=648695874

SICK icons and Graphics Icons and Graphic Images

https://mosaicplus.sick.com/pages/viewpage.action?pageId=337419425&preview=/337419425\delta 446438588/SICK Slide%20Library CSS-Workspace.pptx

Share SICK information in your Social Media, Get Marketing Updates

https://sick.csod.com/ui/lms-learning-details/app/video/c2fdd80f-88ba-444c-ac95-85f99d9cbb20

Helpful Links (URLs) and Electronic Resources Confidential

How to access SICK's Internal Marketing Information

register for access to SICK's Internal Marketing Information on www.sick.com. It's a great way to stay current with what is happening at SICK.

911 Dialing Caution

If you work in a SICK office location, the standard procedure when placing an outsinde call is to first dial "9". Unfortinatily, this can

often lead to peole mistakenly dialing 922. Please familiarize with the important process on what to do if you accidentally dial 911.

Bottom line: do not hang up and igneore it!

Congratulations!

You are well on your way to orienting yourself to the organization and your new role. We wish you all the best!

Whats next?

If you are wondering what's next, check out these opportunities for ongoing development, training, and employee engagement.

SICK U

SICK U is a learning management system for the United States and Canada. When training is assigned to you, you will receive an email. You will receive a "Welcome to SICK Curriculum" for courses that need to be completed in SICK U within 30-days of assignment. Watch for an email from: ces.mail@csod.com. The subject will be Welcome to SICK University! Be sure to check your deleted and spam folders for the information. For more information use this link to login with your user name and password.

SIA Online

SIA Online (Sensor Intelligence Academy) is a global learning management system. It is where SICK's technical product training is housed. For more information use this link to login as a SICK user.

A note about Training

There are many courses in SICK U and SIA Online that you can explore. You don't need to wait to have courses assigned to you. They are available to you at any time. Spend some time browsing for on-demand courses that support your career growth.

Start your individual Development Plan

An Individual Development Plan (IDP) is essential for employees as it serves as a strategic roadmap for

personal and professional growth. It outlines clear objectives and action steps to achieve your goals, ensuring a structured and focused approach towards success. The IDP encourages self-reflection, identifying strengths and areas for improvement, enabling you to capitalize on your talents while addressing any shortcomings. Moreover, an IDP fosters accountability and empowers employees to take

ownership of their personal development, leading to increased motivation and productivity. By encouraging continuous learning and skill enhancement, an IDP enhances your capabilities, making you

better equipped to adapt to a rapidly evolving world and contribute effectively to your workplace. Ultimately, an IDP benefits both employees and the organization, promoting lifelong learning and personal fulfillment while ensuring a well-rounded and skilled workforce.

Employee Engagement

Join All Employee Communication Meetings to stay up-to-date with what's happening in the business

Attend one or more SICK Talks to meet with senior leaders in a small group setting Learn about affinity groups at the DEI Mosaic page, explore Community Engagement, Employee Engagement, Wellness, and Women's Leadership and Empowerment groups here. Stay connected with your team, and enjoy branching out to meet new colleagues! Questions? Contact Tara Lindahl

An optics engineer is responsible for designing, developing, and optimizing optical systems and devices. They work with various technologies involving light, such as lenses, lasers, and fiber optics, to create systems used in a wide range of applications, including telecommunications, imaging, medical devices, and more. Optics engineers may design components, conduct experiments, analyze data, and use software tools to model and simulate optical systems to ensure they meet specific performance requirements and standards. Their work contributes to advancements in fields like photonics, astronomy, and microscopy, and plays a crucial role in developing innovative technologies that rely on the manipulation and control of light.

Zemax offers a variety of training options for optics engineers. Here are some of the courses available:

OpticsAcademy: This is the training ground for the future of optics. It offers a variety of courses and learning plans, including an advanced course on designing with aspheres and freeforms, and a course on designing optomechanical systems with Zemax OpticsBuilder1.

Individual Training: This is for optical engineers who prefer to learn at their own pace. It provides remote learning access to the same great content as their classroom training2.

Ansys Zemax Optical System Design: This training series provides all necessary knowledge to get you up and running with OpticStudio sequential mode3.

Designing Optomechanical systems with Zemax OpticsBuilder: This course contains all the learning steps to understand the tools which a CAD users needs to prepare and convert an optical system from Zemax OpticStudio to the CAD Environment and analyse the optical performance with the vast range of the Zemax OpticsBuilder features4.

These courses are taught by Zemax's experienced optical engineers using the most current version of Zemax software5. They offer self-paced learning, with 24/7 access, digital certificates of completion (shareable on LinkedIn), single-topic courses, Q&A forums for each course, and training notes provided in PDF format.

Ansys SPEOS is a high-precision simulation tool for optical systems based on human visual perception1. It's integrated into virtual product development and can realistically simulate the real-life individual user experience for improved and even more precise optimization of the end product design1.

Here are some of its features:

Lighting system modeler: This feature allows you to model lighting systems2.

Lighting system analyzer: This feature allows you to analyze lighting systems2.

Robust design optimization: This feature allows you to optimize your designs2.

Optical part design: This feature allows you to design optical parts2.

Extensive optical library: This library contains more than 4,200 samples of lights and materials2.

Human vision component: This component enables you to simulate visual predictions based on physiological human vision modeling2.

SPEOS also hosts a suite of built-in features including production tolerance simulation, optical design optimizer, lighting system visualizer, pre-defined light sources (ray files), and more3. It's a comprehensive tool that can help optics engineers in their work.